

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF091119\
 Data File : BF116972.D
 Acq On : 12 Sep 2019 2:54
 Operator : HP/JU
 Sample : K4814-03 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-3

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0
 Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.434	565	569	584	rBV	650290	588102	24.90%	2.063%
2	6.451	738	742	758	rBV	766425	656897	27.81%	2.304%
3	6.592	762	766	773	rBV	790485	678011	28.70%	2.378%
4	6.822	802	805	816	rBV	447916	369202	15.63%	1.295%
5	6.981	828	832	842	rBV	590020	511887	21.67%	1.795%
6	7.381	896	900	907	rBV	414632	398763	16.88%	1.398%
7	8.104	1019	1023	1037	rBV	573234	529665	22.42%	1.858%
8	9.175	1201	1205	1217	rBV	983795	785790	33.26%	2.756%
9	9.445	1246	1251	1259	rBV	35975	49035	2.08%	0.172%
10	9.516	1259	1263	1265	rVV	92599	87123	3.69%	0.306%
11	9.539	1265	1267	1269	rVV	52744	41369	1.75%	0.145%
12	9.563	1269	1271	1279	rVB	129891	121042	5.12%	0.425%
13	9.627	1279	1282	1288	rBV	46489	55929	2.37%	0.196%
14	9.716	1291	1297	1301	rBV	84006	80289	3.40%	0.282%
15	9.851	1317	1320	1324	rVV	658858	600114	25.40%	2.105%
16	9.957	1335	1338	1343	rBV	29607	42221	1.79%	0.148%
17	10.057	1351	1355	1358	rBV	125829	115725	4.90%	0.406%
18	10.098	1358	1362	1365	rVB	59409	58463	2.47%	0.205%
19	10.169	1371	1374	1377	rBV	57887	55918	2.37%	0.196%
20	10.198	1377	1379	1385	rVB	53932	45234	1.91%	0.159%
21	10.263	1385	1390	1391	rBV	50278	57278	2.42%	0.201%
22	10.398	1409	1413	1419	rVB5	38236	53720	2.27%	0.188%
23	10.557	1435	1440	1444	rVB2	88010	95930	4.06%	0.336%
24	10.639	1449	1454	1458	rBV	638362	588487	24.91%	2.064%
25	10.680	1458	1461	1466	rVB2	25653	37985	1.61%	0.133%
26	10.763	1471	1475	1482	rVB3	49710	62188	2.63%	0.218%
27	11.074	1523	1528	1530	rBV3	58585	68756	2.91%	0.241%
28	11.098	1530	1532	1536	rVV	67812	75228	3.18%	0.264%
29	11.139	1536	1539	1543	rVV	190575	185104	7.84%	0.649%
30	11.186	1543	1547	1552	rVV2	61982	99282	4.20%	0.348%
31	11.233	1552	1555	1561	rVB	127751	126303	5.35%	0.443%
32	11.339	1569	1573	1574	rBV	687346	645818	27.34%	2.265%
33	11.363	1574	1577	1580	rVV	2089567	1789644	75.76%	6.276%
34	11.410	1582	1585	1588	rVV	219001	184328	7.80%	0.646%

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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.445	1588	1591	1594	rVB2	37656	39392	1.67%	0.138%
36	11.516	1600	1603	1606	rVB	72917	63446	2.69%	0.223%
37	11.563	1606	1611	1613	rBV2	84505	91133	3.86%	0.320%
38	11.627	1620	1622	1625	rVB	70378	60639	2.57%	0.213%
39	11.668	1625	1629	1635	rBV	136306	123098	5.21%	0.432%
40	11.727	1636	1639	1641	rVV	48151	42180	1.79%	0.148%
41	11.745	1641	1642	1646	rVB	43867	38740	1.64%	0.136%
42	11.792	1647	1650	1652	rBV	61356	50395	2.13%	0.177%
43	11.839	1654	1658	1660	rVV	365205	345208	14.61%	1.211%
44	11.863	1660	1662	1666	rVV	497164	452643	19.16%	1.587%
45	11.910	1667	1670	1673	rVV	75997	60797	2.57%	0.213%
46	11.945	1673	1676	1679	rVV2	334659	355967	15.07%	1.248%
47	11.968	1679	1680	1685	rVB	257408	198184	8.39%	0.695%
48	12.021	1685	1689	1691	rBV3	47104	61896	2.62%	0.217%
49	12.133	1704	1708	1710	rBV	240300	244721	10.36%	0.858%
50	12.157	1710	1712	1717	rVB2	214213	197771	8.37%	0.694%
51	12.280	1727	1733	1736	rBV3	115409	151977	6.43%	0.533%
52	12.310	1736	1738	1740	rBV	81099	66307	2.81%	0.233%
53	12.333	1740	1742	1745	rVB	83960	75782	3.21%	0.266%
54	12.386	1745	1751	1754	rBV	246686	291787	12.35%	1.023%
55	12.421	1754	1757	1759	rVV2	75155	85935	3.64%	0.301%
56	12.445	1759	1761	1763	rVB	66195	45240	1.92%	0.159%
57	12.474	1763	1766	1771	rVB	306118	308108	13.04%	1.081%
58	12.557	1774	1780	1783	rBV	2358273	2362286	100.00%	8.285%
59	12.592	1783	1786	1787	rBV	53811	41601	1.76%	0.146%
60	12.610	1787	1789	1792	rVB2	62325	55642	2.36%	0.195%
61	12.645	1792	1795	1797	rBV	52180	45560	1.93%	0.160%
62	12.680	1797	1801	1802	rBV2	85781	86075	3.64%	0.302%
63	12.698	1802	1804	1808	rVB	77140	70478	2.98%	0.247%
64	12.780	1812	1818	1823	rBV2	1984662	2284320	96.70%	8.011%
65	12.821	1823	1825	1831	rVB2	115298	156644	6.63%	0.549%
66	12.892	1834	1837	1838	rBV2	138725	120965	5.12%	0.424%
67	12.915	1838	1841	1849	rVB	948478	917348	38.83%	3.217%
68	12.992	1849	1854	1858	rBV2	182972	315524	13.36%	1.107%
69	13.080	1865	1869	1871	rBV3	122713	171405	7.26%	0.601%
70	13.204	1887	1890	1894	rVV3	212699	238945	10.11%	0.838%
71	13.298	1903	1906	1909	rVV	111327	96696	4.09%	0.339%

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Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
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Stop Thrs : 0 Peak Location: TOP

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72	13.327	1909	1911	1915	rBV2	112734	107754	4.56%	0.378%
73	13.610	1956	1959	1963	rVB	276693	261042	11.05%	0.915%
74	13.715	1974	1977	1980	rBV2	185607	209915	8.89%	0.736%
75	13.745	1980	1982	1985	rVV	153507	140087	5.93%	0.491%
76	13.774	1985	1987	1991	rVV2	116879	147568	6.25%	0.518%
77	13.815	1991	1994	1999	rVB	219767	215042	9.10%	0.754%
78	13.968	2013	2020	2023	rBV3	1103866	1645441	69.65%	5.771%
79	13.998	2023	2025	2032	rVB	910032	814533	34.48%	2.857%
80	14.192	2055	2058	2062	rBV2	75174	88528	3.75%	0.310%
81	14.357	2083	2086	2089	rVV	180908	164629	6.97%	0.577%
82	14.392	2089	2092	2095	rVV2	102740	99075	4.19%	0.347%
83	14.480	2104	2107	2109	rBV2	78113	72803	3.08%	0.255%
84	14.739	2149	2151	2153	rBV2	55889	45656	1.93%	0.160%
85	14.909	2177	2180	2184	rBV3	39853	71731	3.04%	0.252%
86	15.004	2191	2196	2199	rBV	628990	1006161	42.59%	3.529%
87	15.104	2210	2213	2216	rBV	88786	86727	3.67%	0.304%
88	15.298	2242	2246	2252	rVB	378090	483219	20.46%	1.695%
89	15.362	2252	2257	2261	rBV	470301	571038	24.17%	2.003%
90	15.421	2262	2267	2270	rBV	406497	552757	23.40%	1.939%
91	15.762	2323	2325	2332	rVB4	40788	58597	2.48%	0.206%
92	15.856	2336	2341	2344	rBV5	37959	64229	2.72%	0.225%
93	16.521	2451	2454	2466	rVB6	52461	120888	5.12%	0.424%
94	16.662	2471	2478	2482	rBV4	41013	101318	4.29%	0.355%
95	16.698	2482	2484	2489	rVB4	42833	58665	2.48%	0.206%
96	16.850	2504	2510	2517	rVB	238572	465356	19.70%	1.632%
97	16.921	2520	2522	2529	rVB2	28860	45629	1.93%	0.160%
98	17.021	2534	2539	2543	rBV	43859	68792	2.91%	0.241%
99	17.074	2544	2548	2555	rBV3	34960	65288	2.76%	0.229%
100	17.286	2577	2584	2591	rVB	157268	325709	13.79%	1.142%

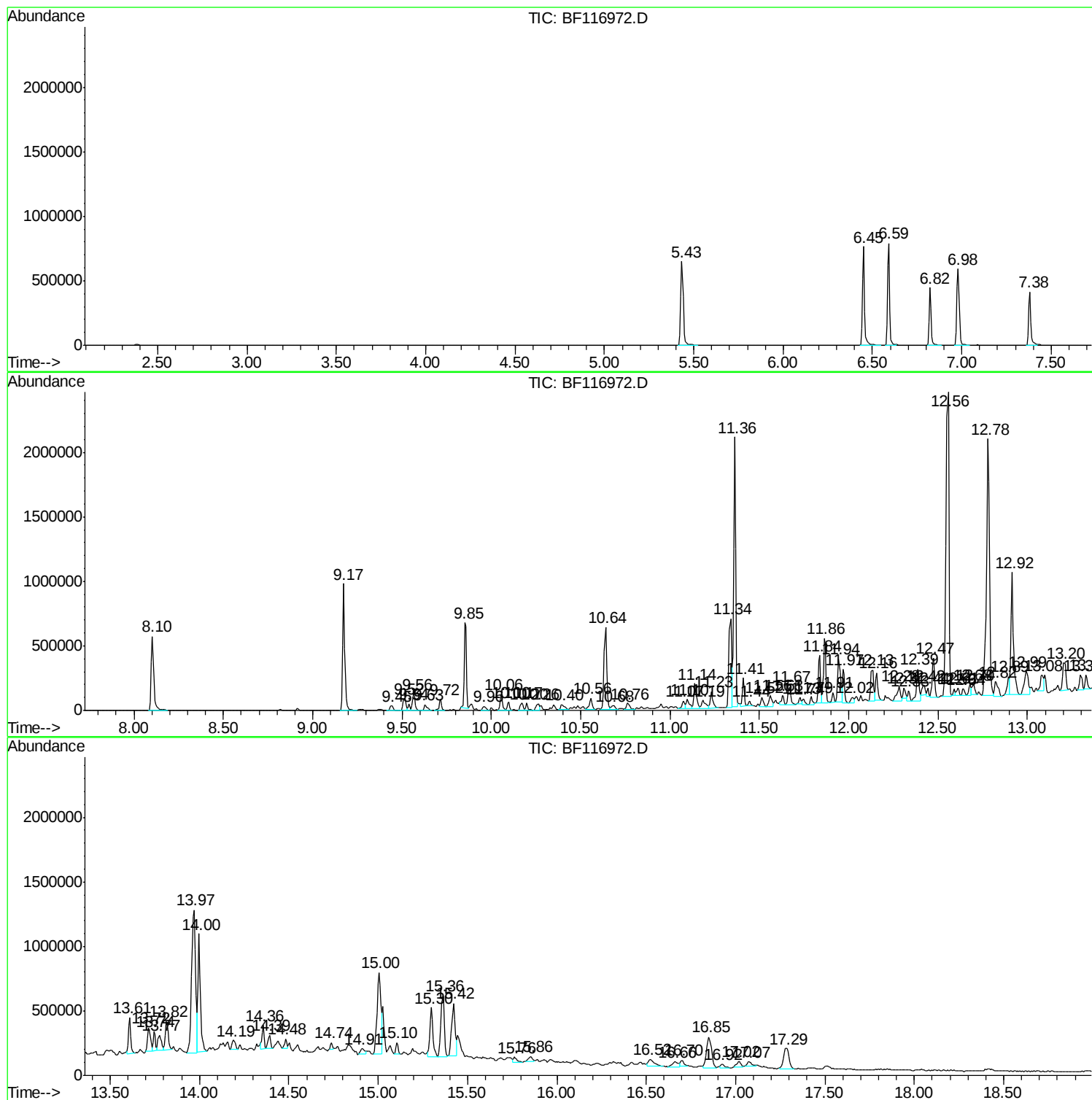
Sum of corrected areas: 28513842

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Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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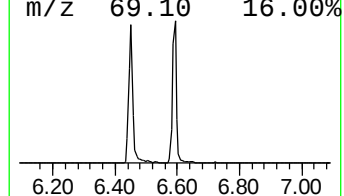
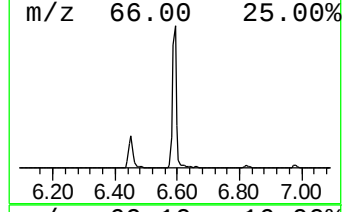
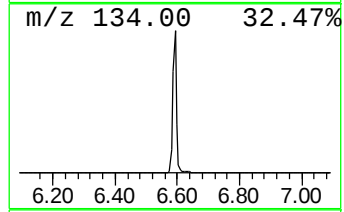
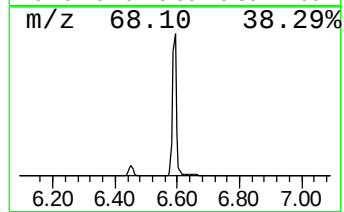
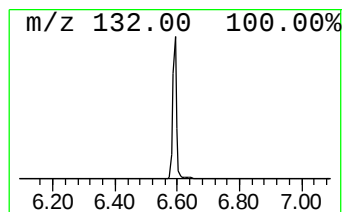
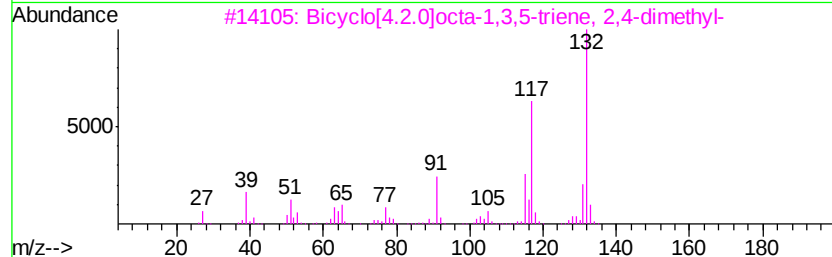
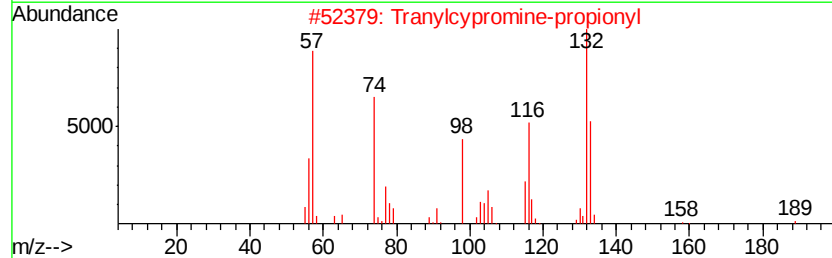
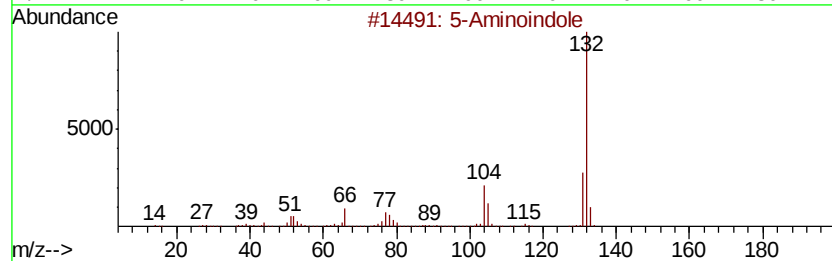
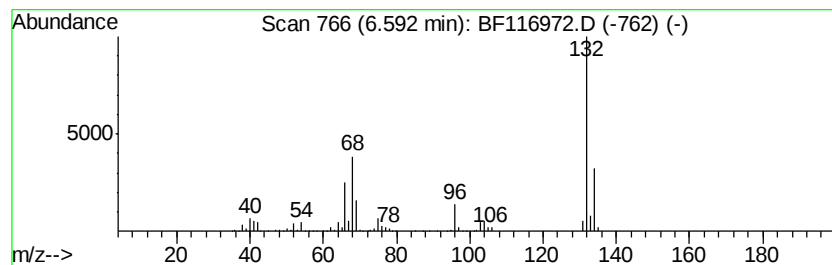
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 unknown6.59 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.59	36.73 ng	678011	1,4-Dichlorobenzene-d4	6.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5-Aminoindole	132	C8H8N2	005192-03-0	22
2		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
3		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5		Cyclopropanamine, 1-phenyl-	133	C9H11N	1000351-26-2	9



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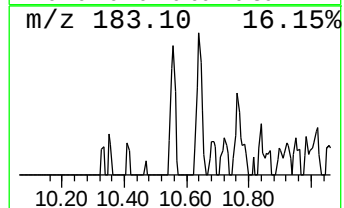
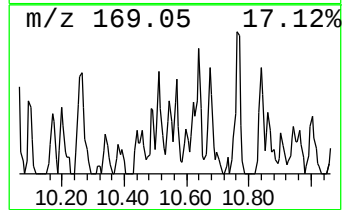
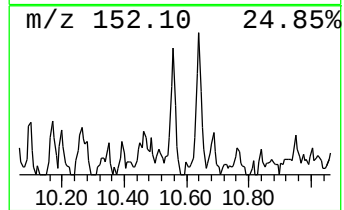
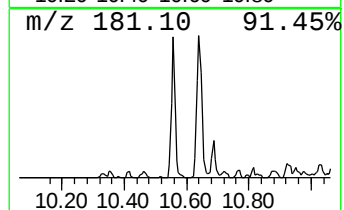
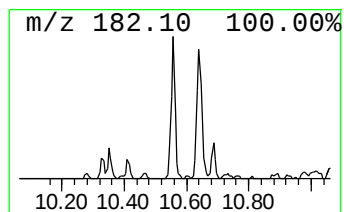
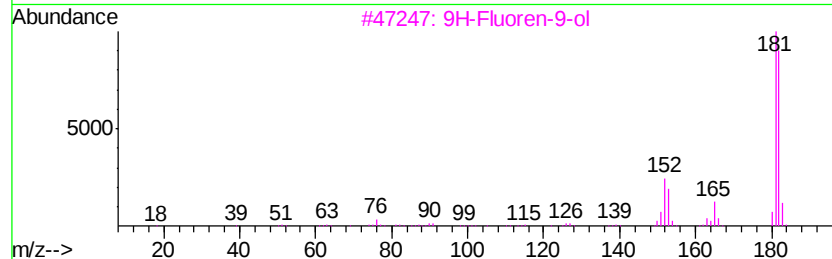
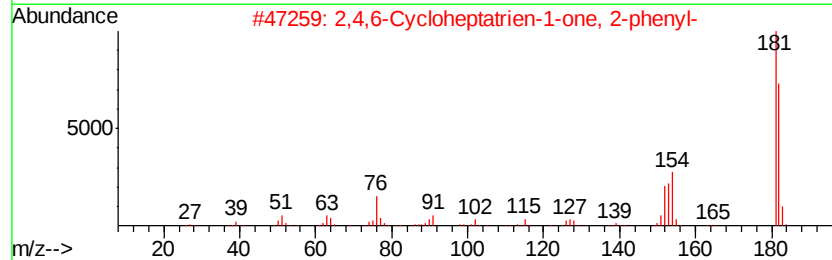
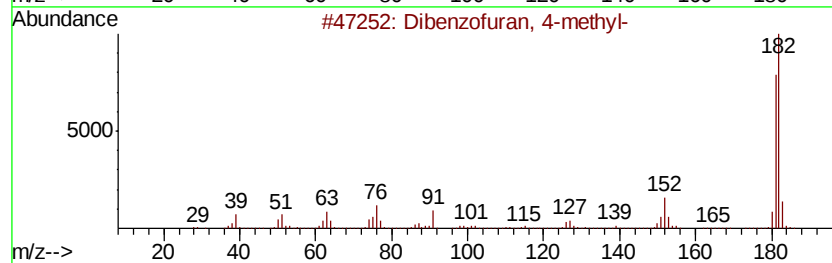
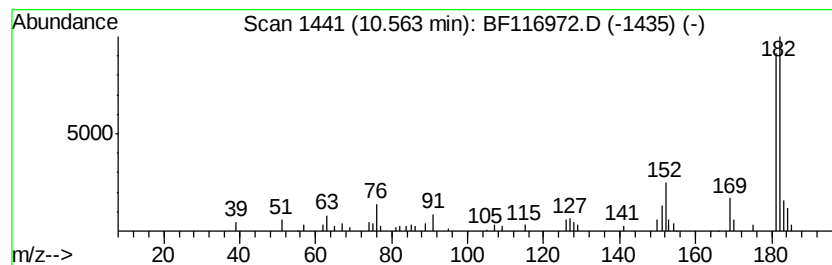
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Dibenzofuran, 4-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.56	3.20 ng	95930	Acenaphthene-d10	9.85	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	74
5	Pyridine, 4,4'-(1,2-ethenediyl)bis-	182	C12H10N2	001135-32-6	72



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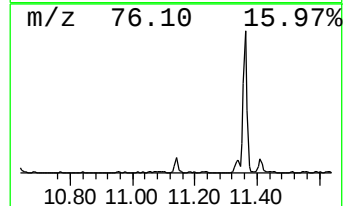
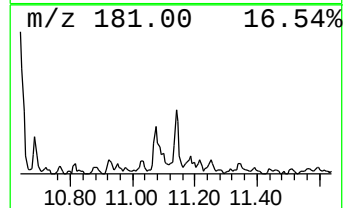
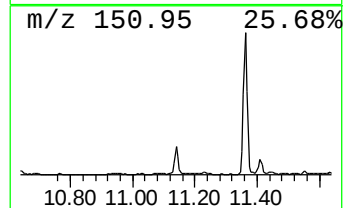
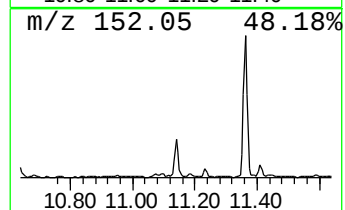
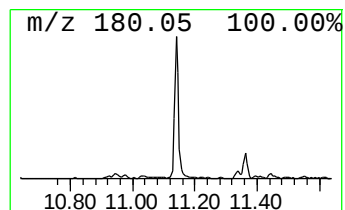
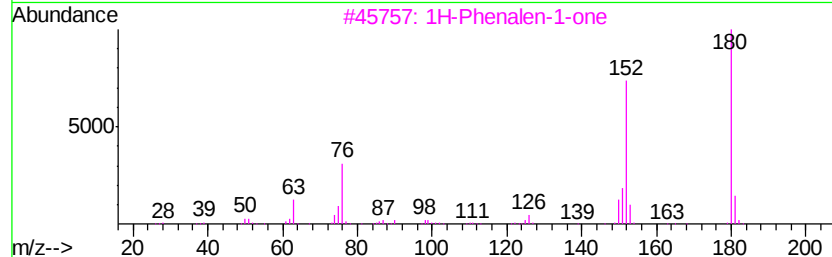
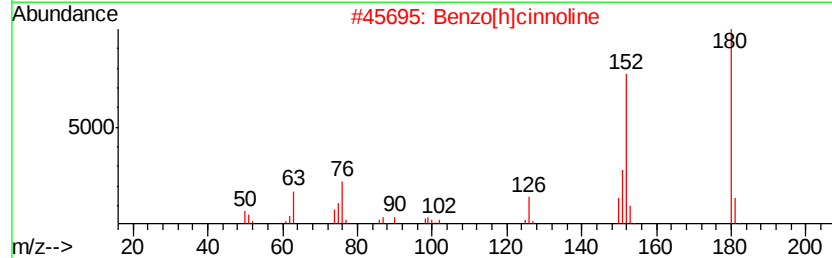
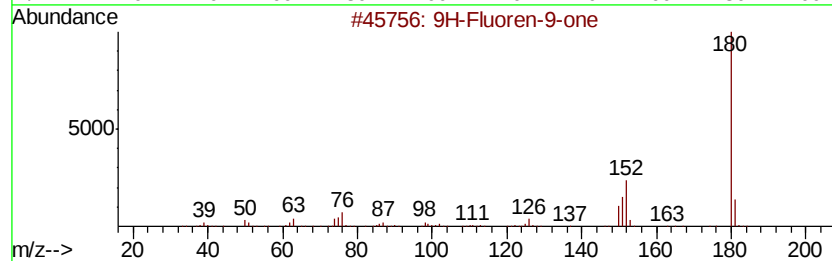
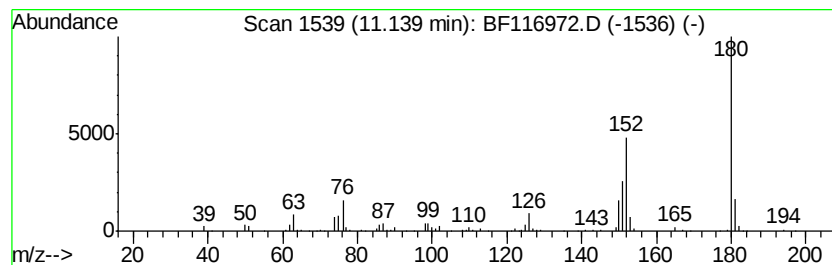
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 9H-Fluoren-9-one Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.14	5.73 ng	185104	Phenanthrene-d10	11.34

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one		180	C13H8O	000486-25-9	97
2	Benzo[h]cinnoline		180	C12H8N2	000230-31-9	94
3	1H-Phenalen-1-one		180	C13H8O	000548-39-0	70
4	1,7-Phenanthroline		180	C12H8N2	000230-46-6	47
5	Phenazine		180	C12H8N2	000092-82-0	43



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Sample : K4814-03 2X
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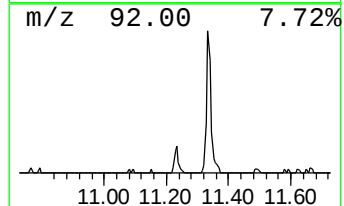
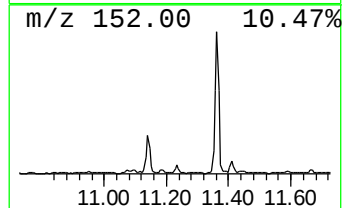
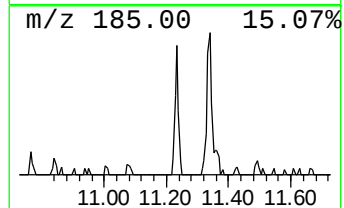
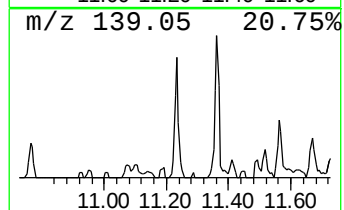
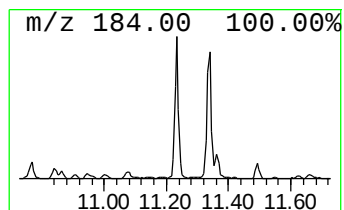
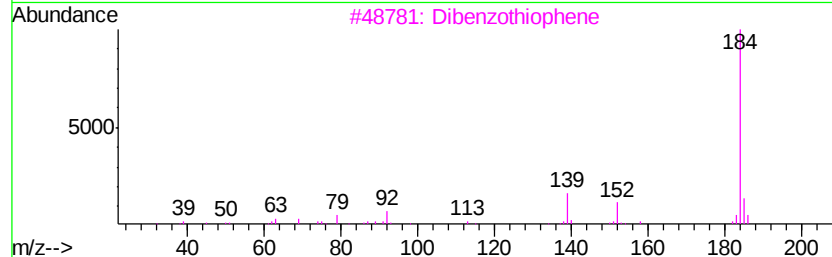
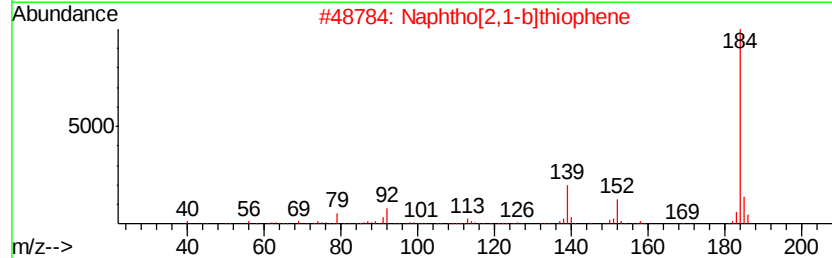
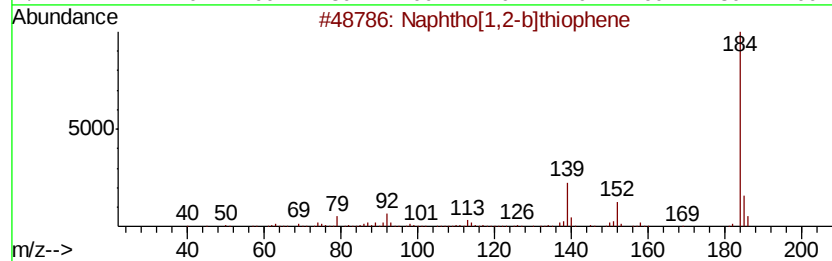
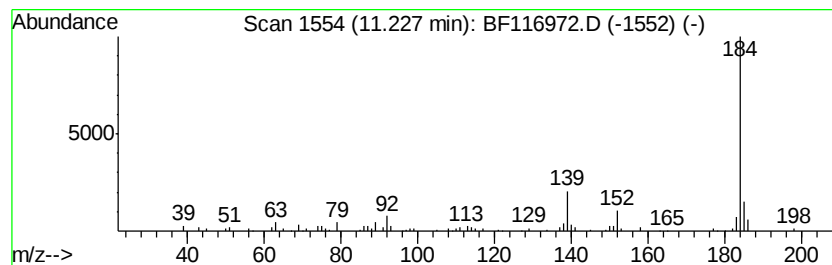
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Naphtho[1,2-b]thiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	3.91 ng	126303	Phenanthrene-d10	11.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	97
2		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
3		Dibenzothiophene	184	C12H8S	000132-65-0	96
4		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
5		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91



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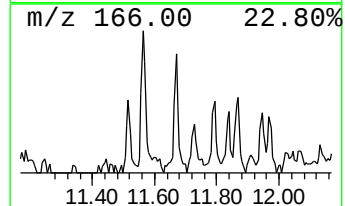
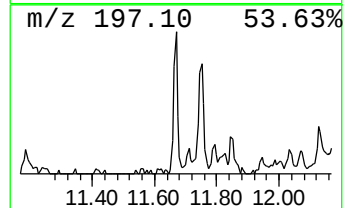
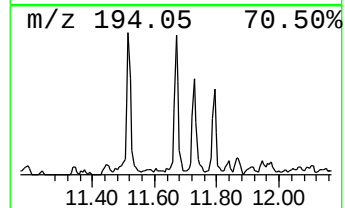
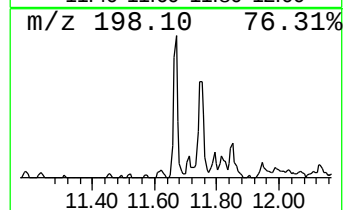
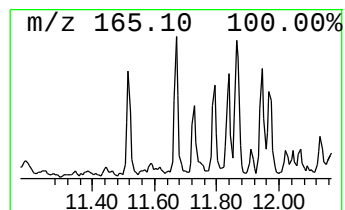
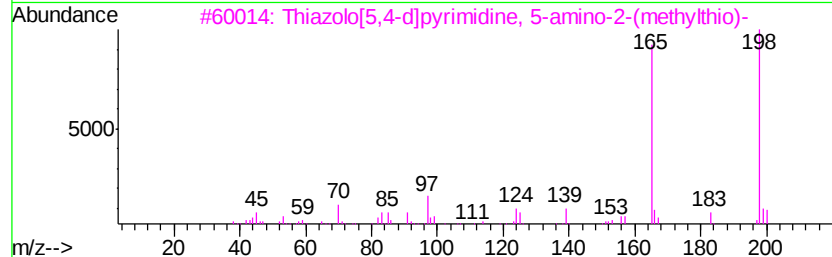
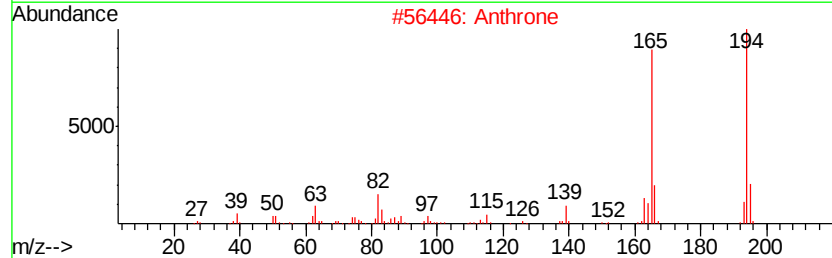
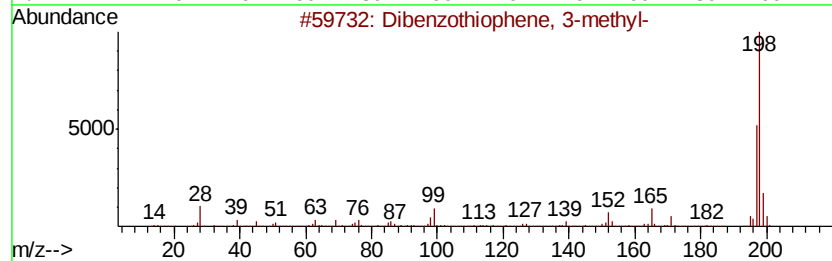
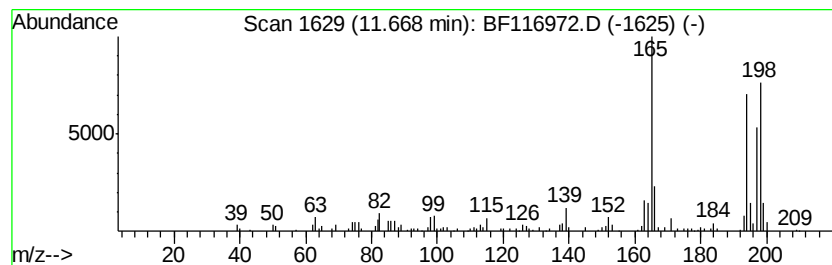
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Dibenzothiophene, 3-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.67	3.81 ng	123098	Phenanthrene-d10	11.34

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	86
2			Anthrone	194	C14H10O	000090-44-8	70
3			Thiazolo[5,4-d]pyrimidine, 5-amino-2-(methylthio)-	198	C6H6N4S2	019835-31-5	49
4			Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	46
5			2-Phenanthrenol	194	C14H10O	000605-55-0	45



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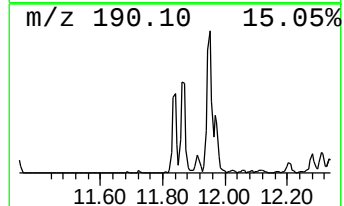
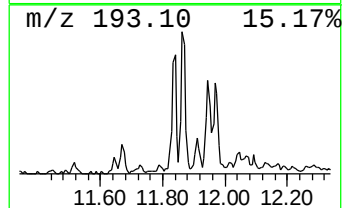
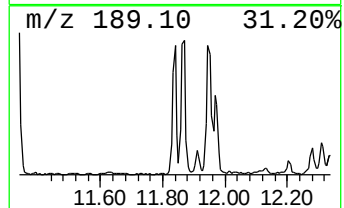
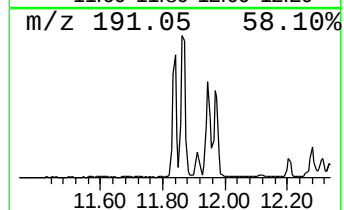
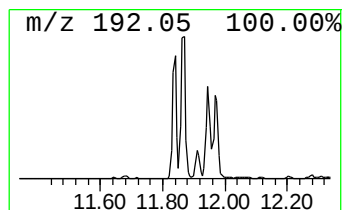
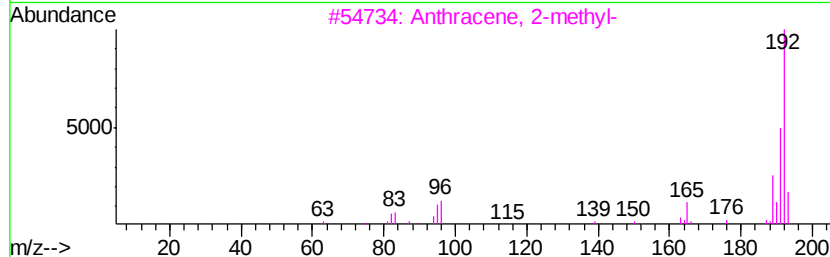
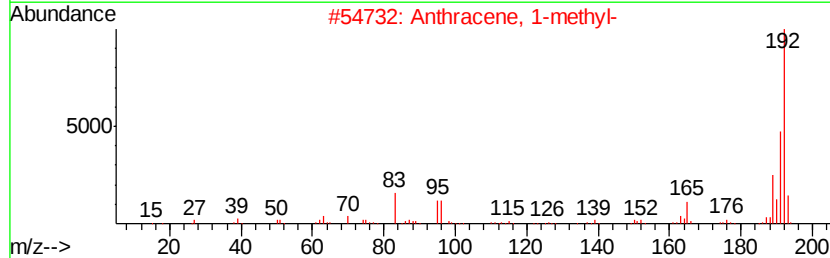
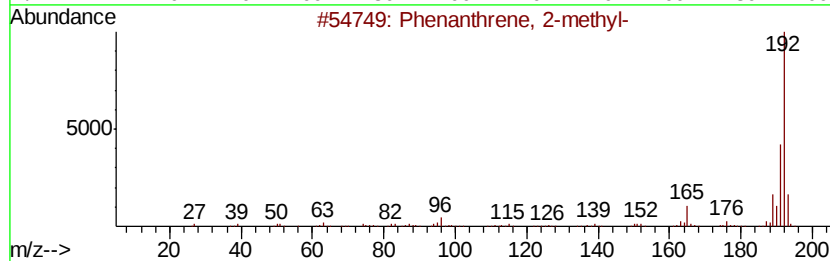
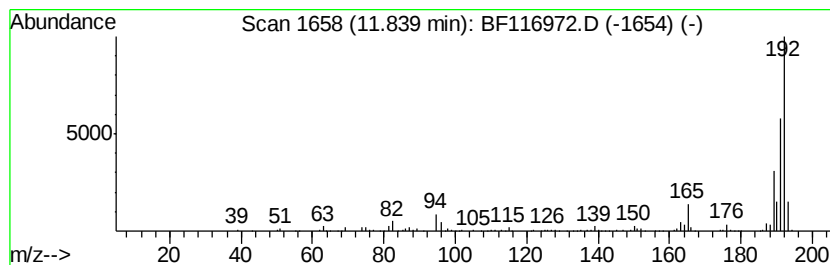
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	10.69 ng	345208	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091119\
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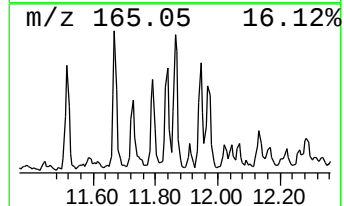
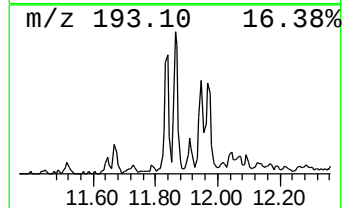
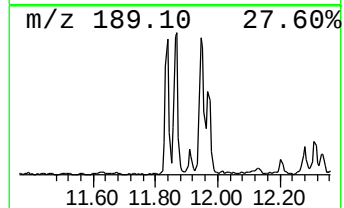
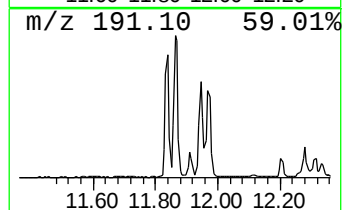
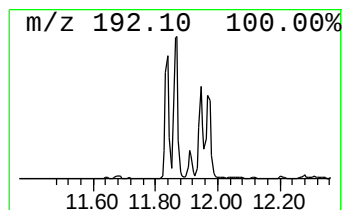
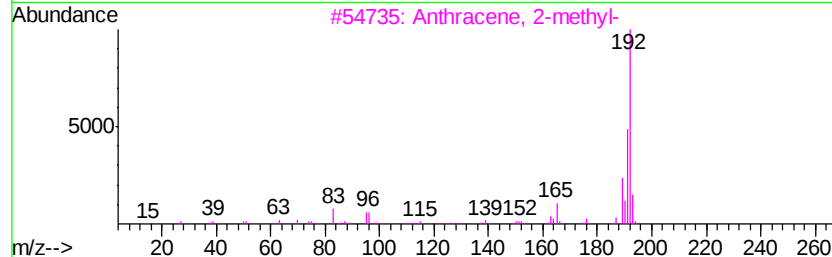
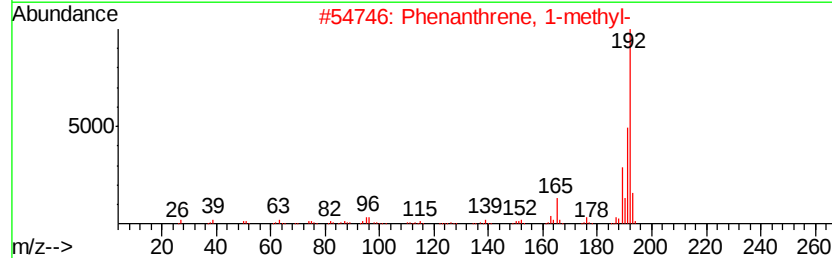
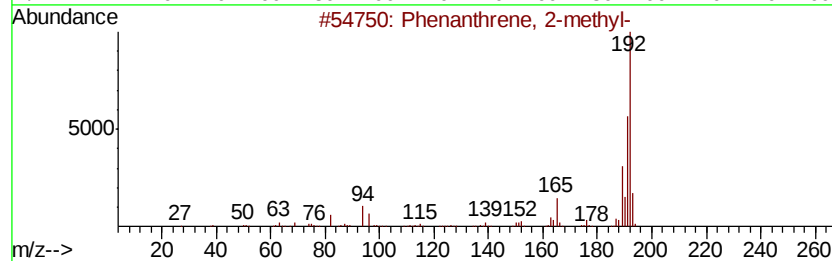
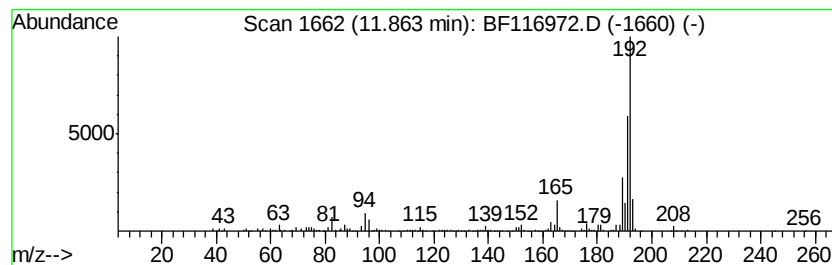
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	14.02 ng	452643	Phenanthrene-d10	11.34

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4		1H-Cyclopropa[1,1]phenanthrene, 1a,...	192	C15H12	000949-41-7	96
5		Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091119\
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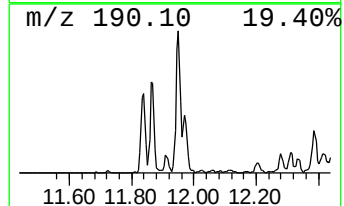
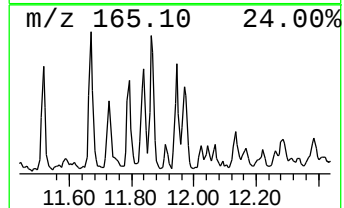
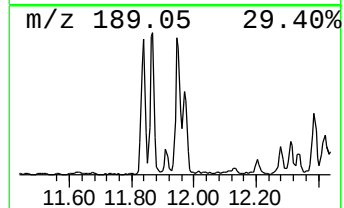
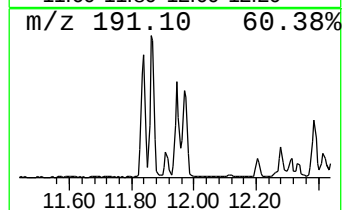
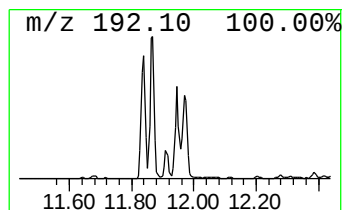
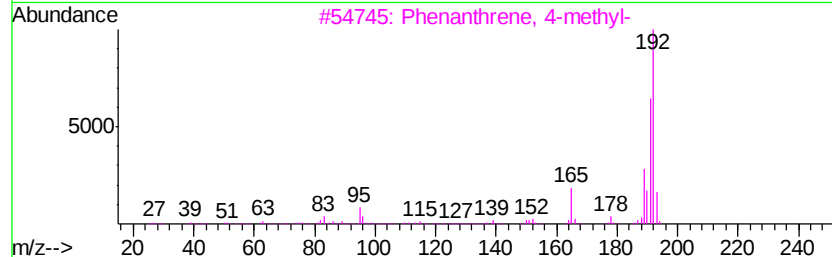
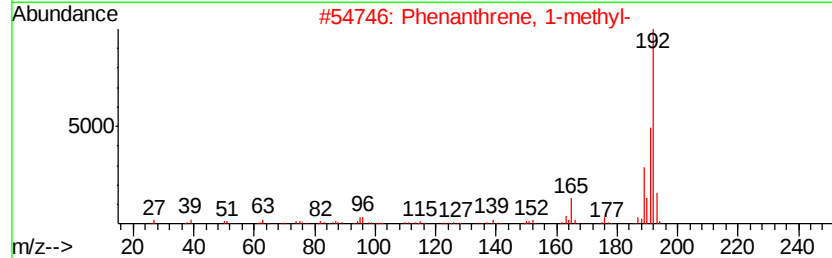
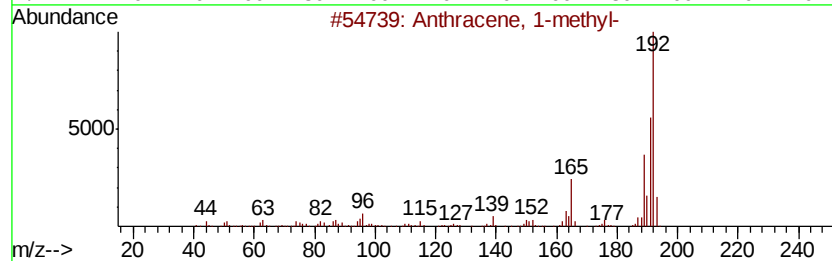
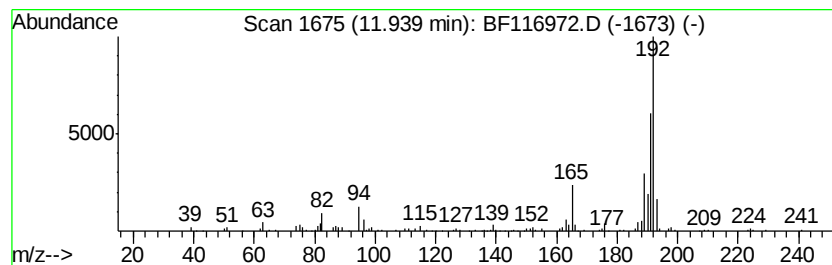
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Anthracene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	11.02 ng	355967	Phenanthrene-d10	11.34

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
3		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
4		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	86
5		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	70



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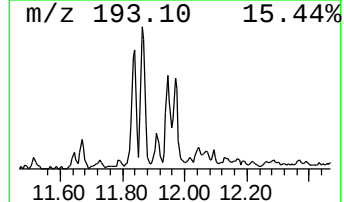
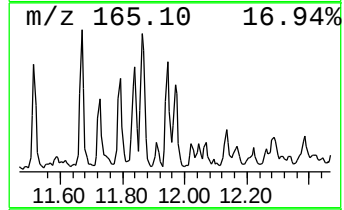
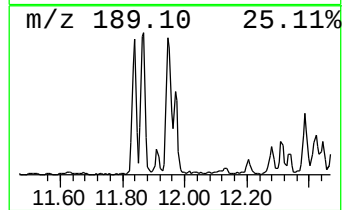
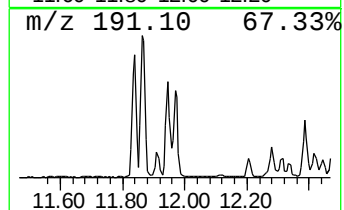
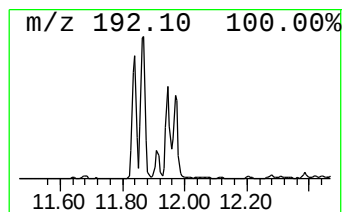
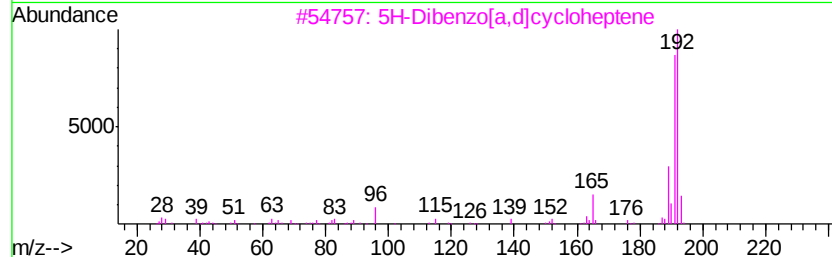
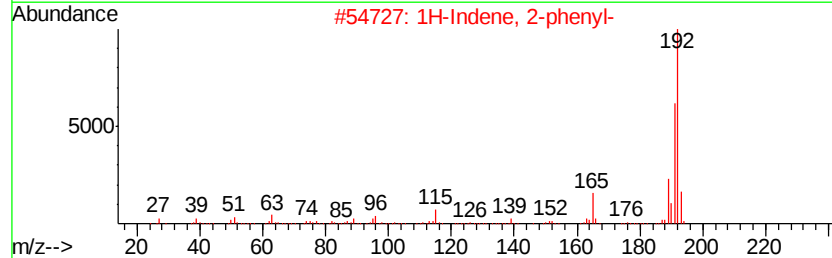
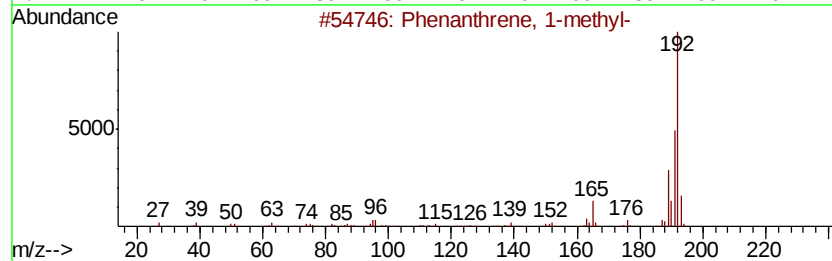
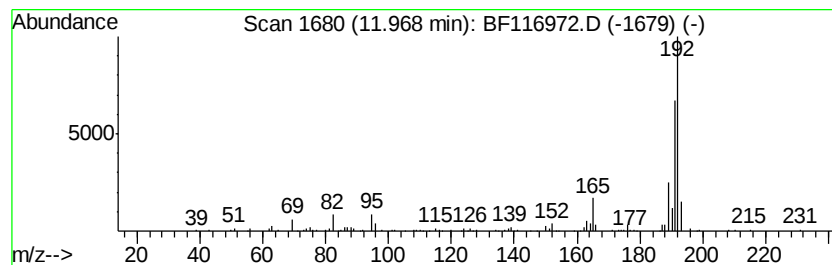
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 1H-Indene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	6.14 ng	198184	Phenanthrene-d10	11.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
3		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	93
4		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5		1H-Cyclopropa[1]phenanthrene, 1a,...	192	C15H12	000949-41-7	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091119\
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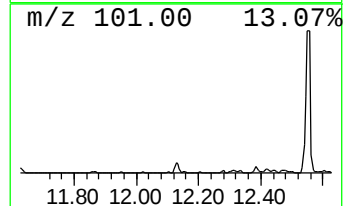
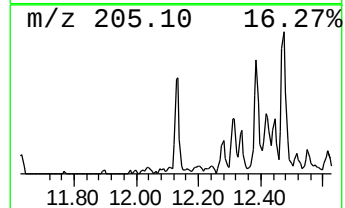
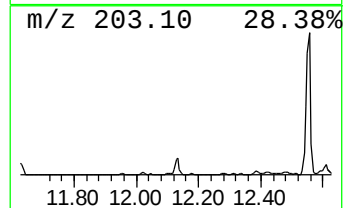
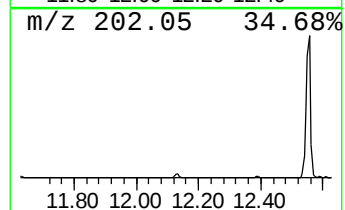
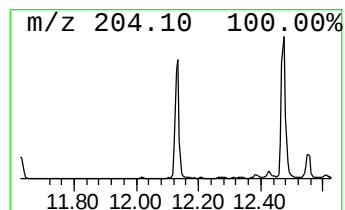
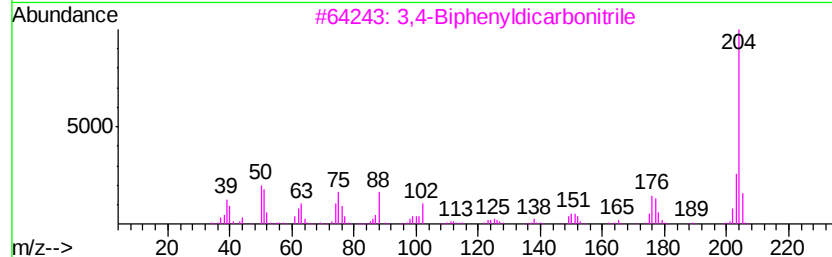
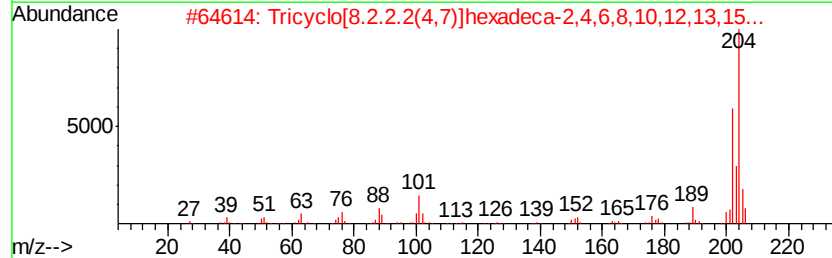
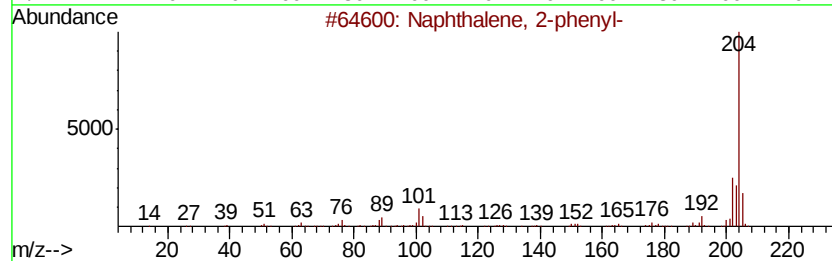
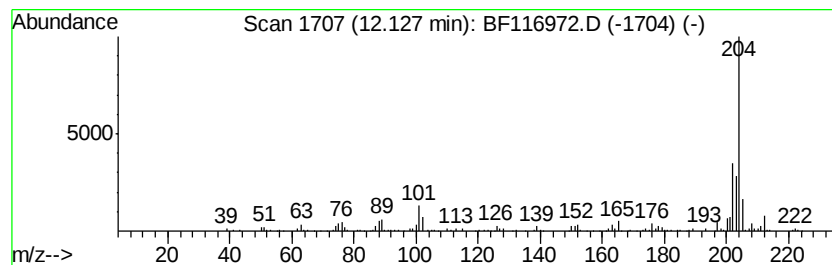
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	7.58 ng	244721	Phenanthrene-d10	11.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
3		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	53
4		5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	52
5		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	52



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091119\
Data File : BF116972.D
Acq On : 12 Sep 2019 2:54
Operator : HP/JU
Sample : K4814-03 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-3

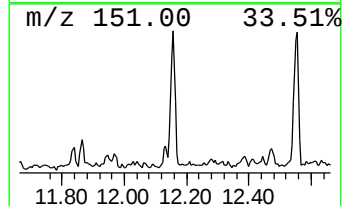
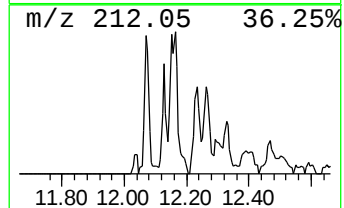
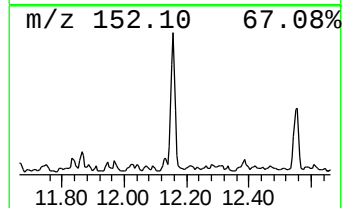
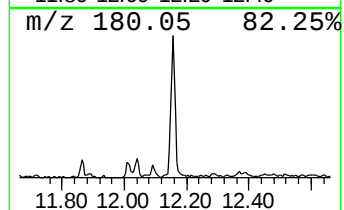
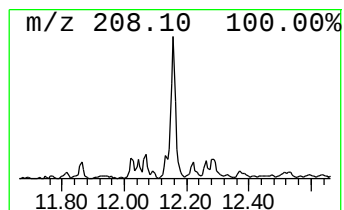
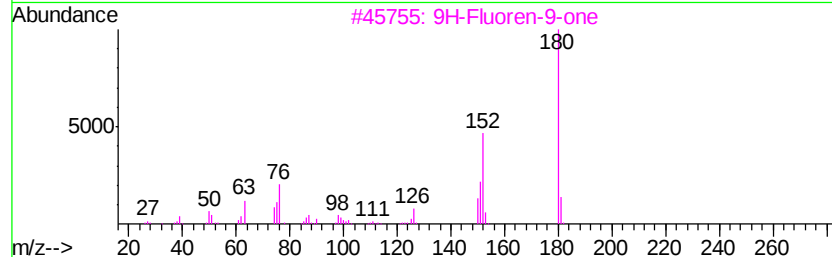
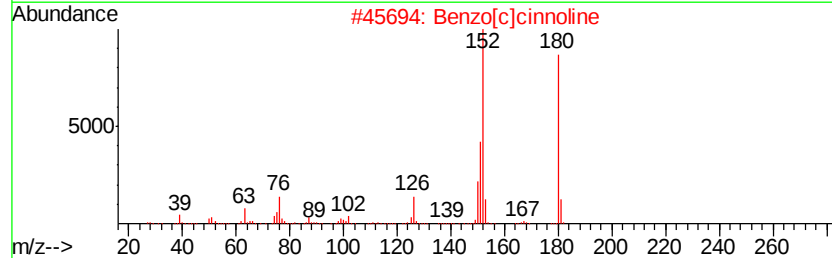
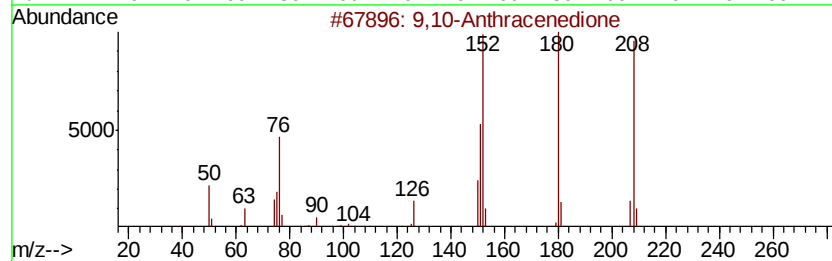
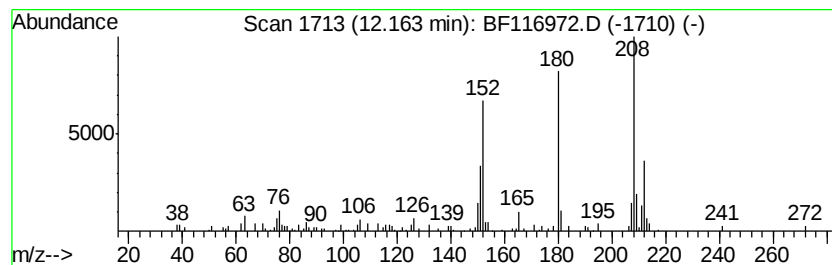
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	6.12 ng	197771	Phenanthrene-d10	11.34

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2			Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
3			9H-Fluoren-9-one	180	C13H8O	000486-25-9	62
4			Benzo[h]cinnoline	180	C12H8N2	000230-31-9	53
5			1H-Phenalen-1-one	180	C13H8O	000548-39-0	49



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091119\
Data File : BF116972.D
Acq On : 12 Sep 2019 2:54
Operator : HP/JU
Sample : K4814-03 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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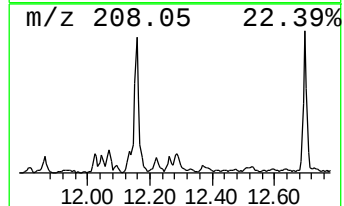
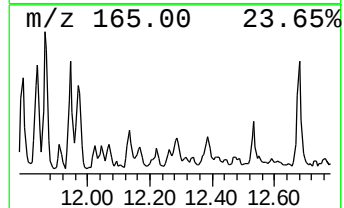
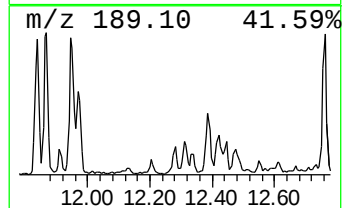
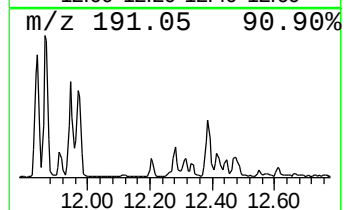
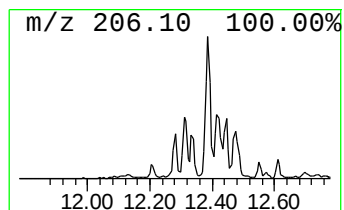
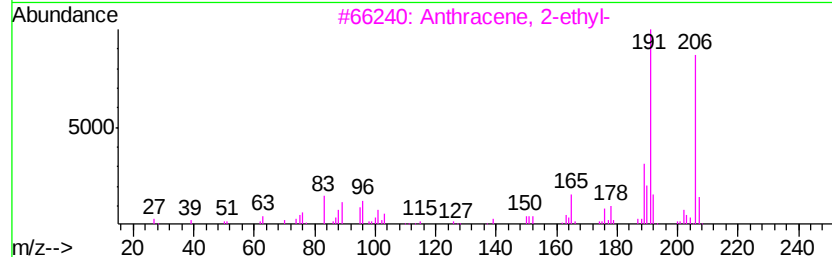
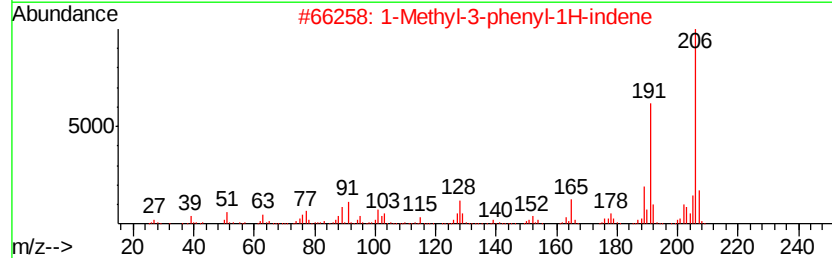
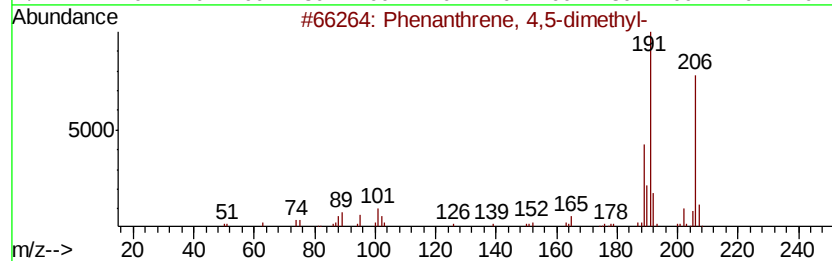
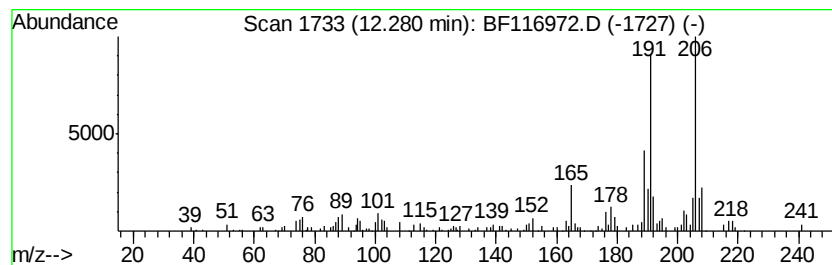
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Phenanthrene, 4,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.28	4.71 ng	151977	Phenanthrene-d10	11.34

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	95
2			1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	91
3			Anthracene, 2-ethyl-	206	C16H14	052251-71-5	91
4			1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	90
5			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091119\
Data File : BF116972.D
Acq On : 12 Sep 2019 2:54
Operator : HP/JU
Sample : K4814-03 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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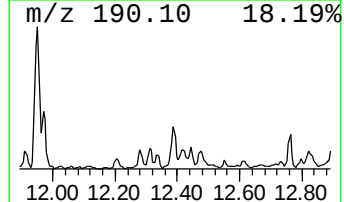
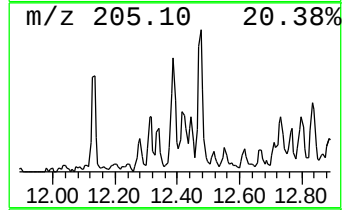
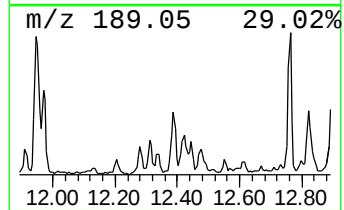
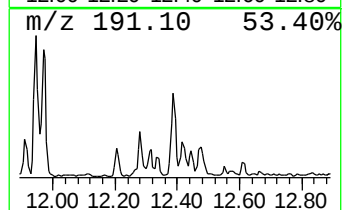
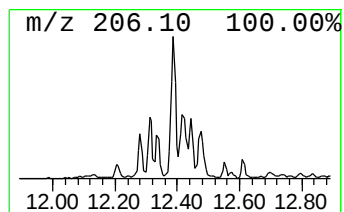
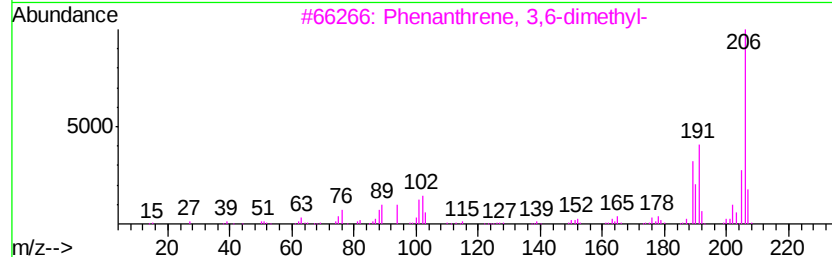
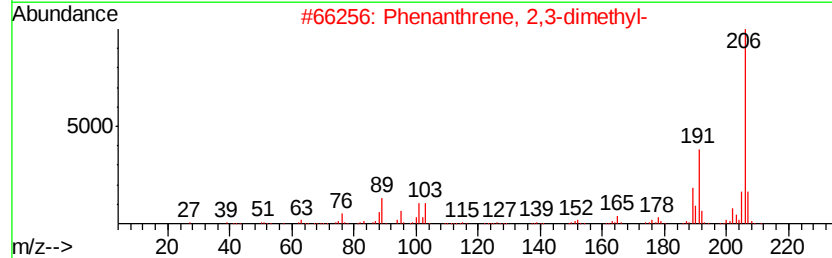
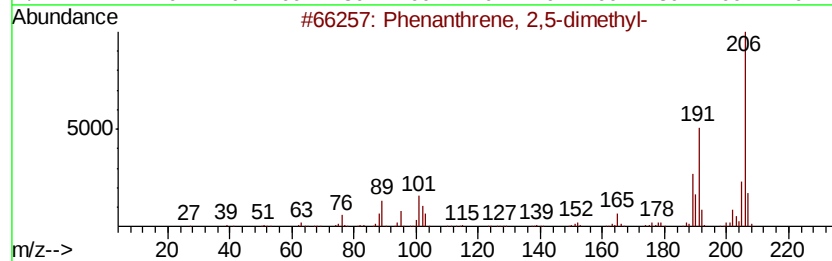
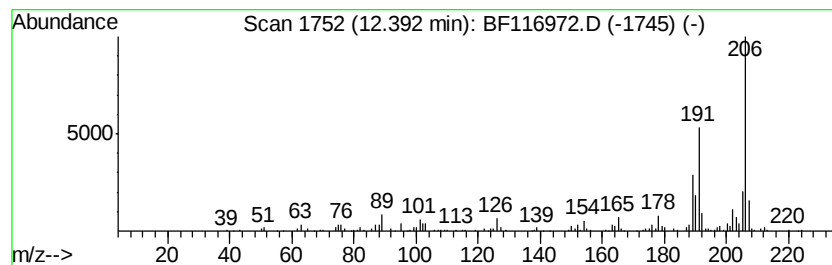
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	9.04 ng	291787	Phenanthrene-d10	11.34

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	94
3			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4			9,10-Dimethylantracene	206	C16H14	000781-43-1	91
5			Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091119\
Data File : BF116972.D
Acq On : 12 Sep 2019 2:54
Operator : HP/JU
Sample : K4814-03 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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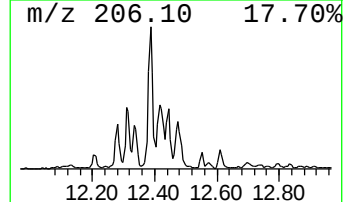
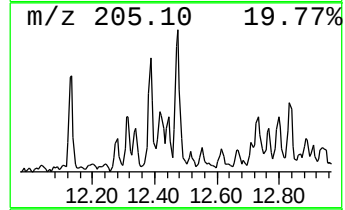
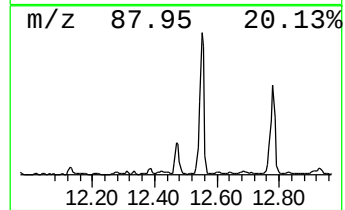
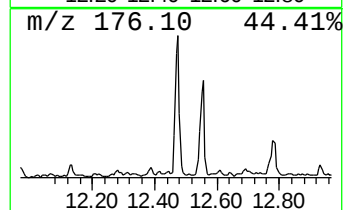
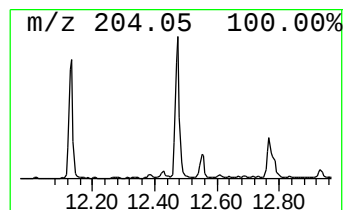
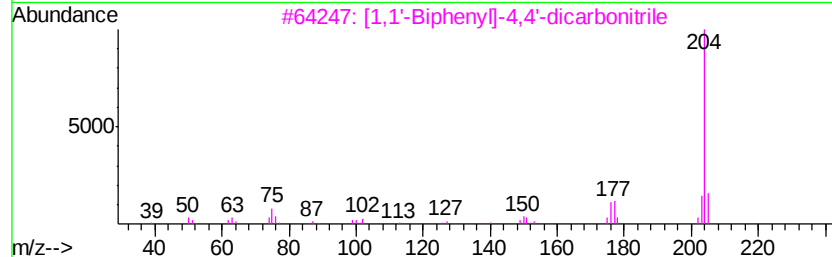
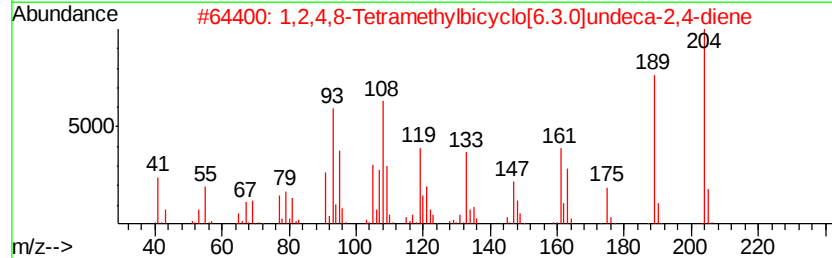
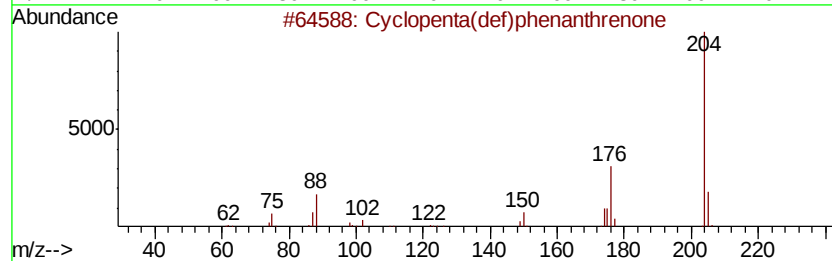
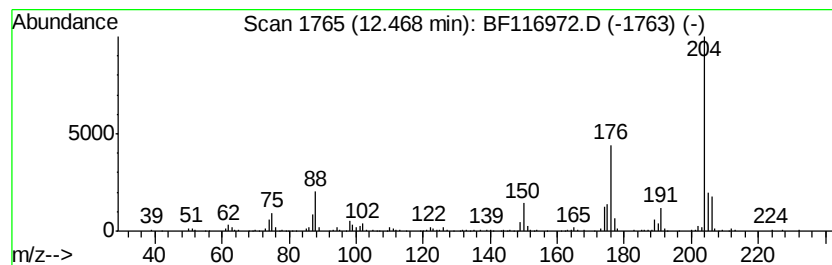
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	9.54 ng	308108	Phenanthrene-d10	11.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2		1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	45
3		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	43
4		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43
5		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	40



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091119\
Data File : BF116972.D
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Sample : K4814-03 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

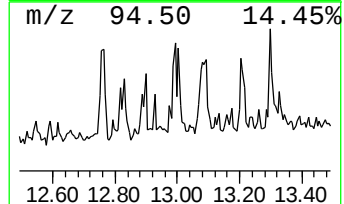
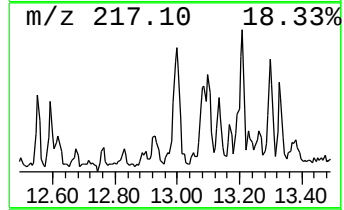
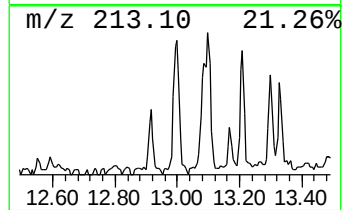
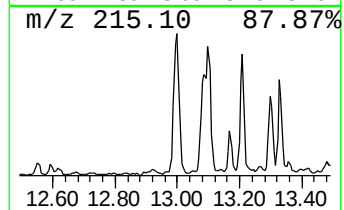
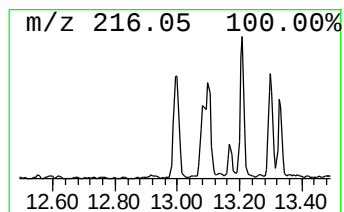
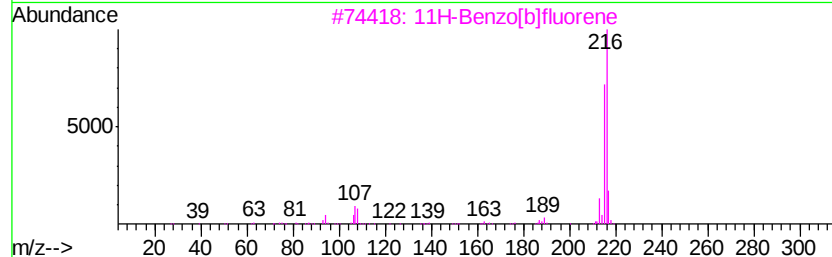
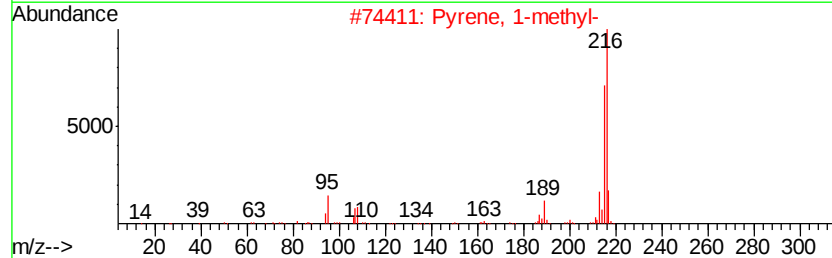
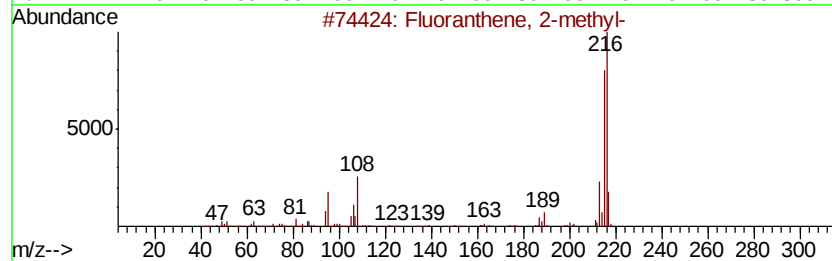
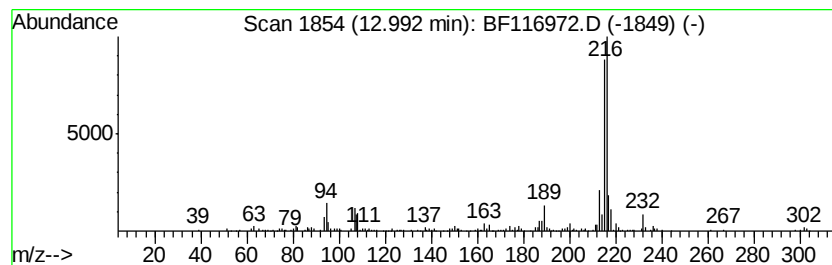
Instrument :
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ClientSampleId :
WC-3

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Fluoranthene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.99	3.84 ng	315524	Chrysene-d12	13.97	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	62



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091119\
Data File : BF116972.D
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Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
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ClientSampleId :
WC-3

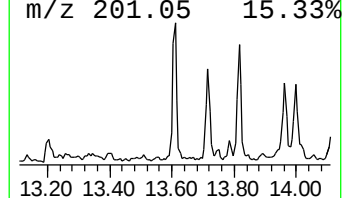
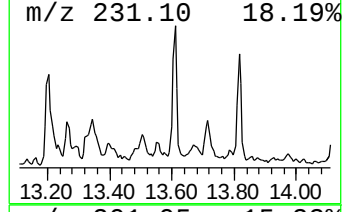
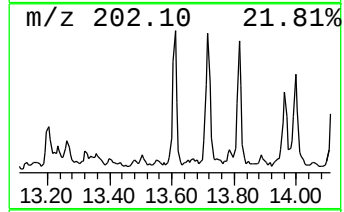
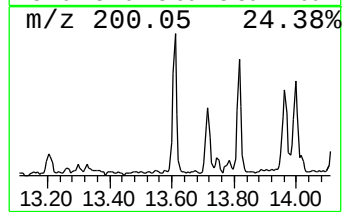
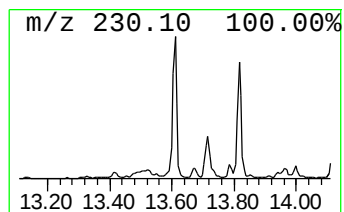
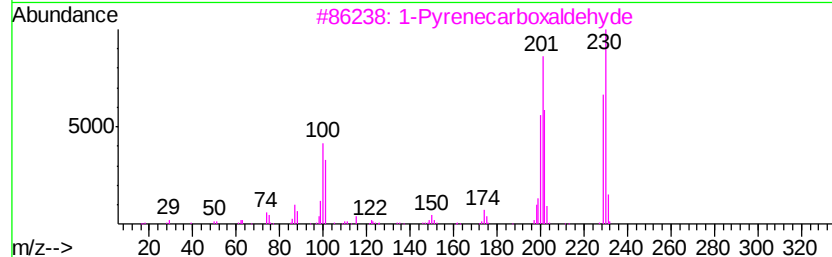
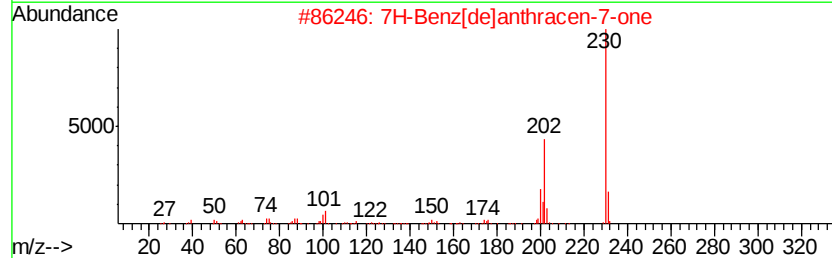
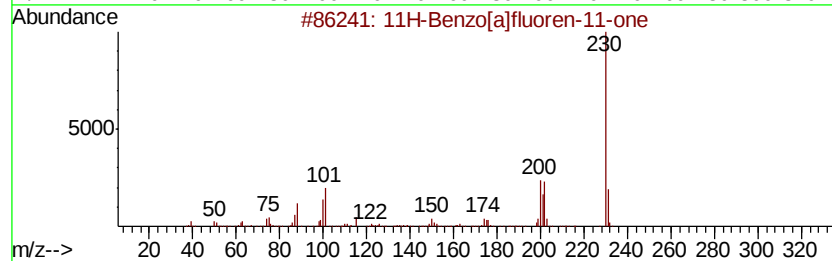
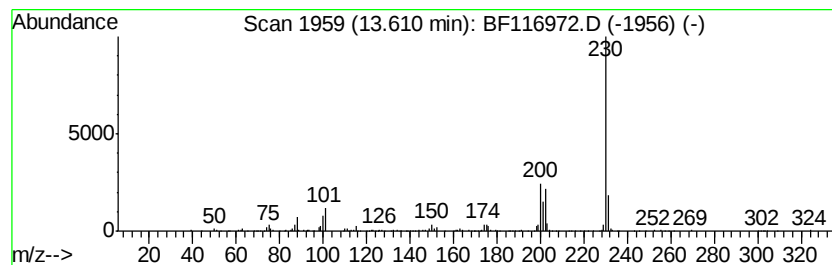
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 11H-Benzo[a]fluoren-11-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.61	3.17 ng	261042	Chrysene-d12	13.97

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2			7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3			1-Pyrenecarboxaldehyd	230	C17H10O	003029-19-4	72
4			6,6-Diphenylfulvene	230	C18H14	002175-90-8	64
5			6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091119\
Data File : BF116972.D
Acq On : 12 Sep 2019 2:54
Operator : HP/JU
Sample : K4814-03 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-3

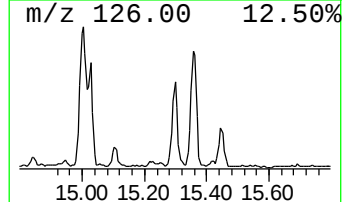
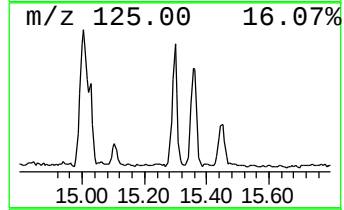
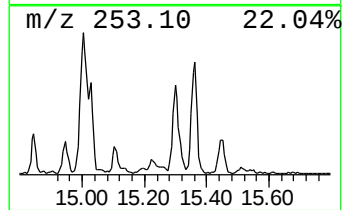
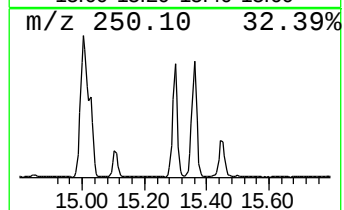
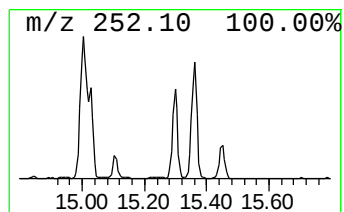
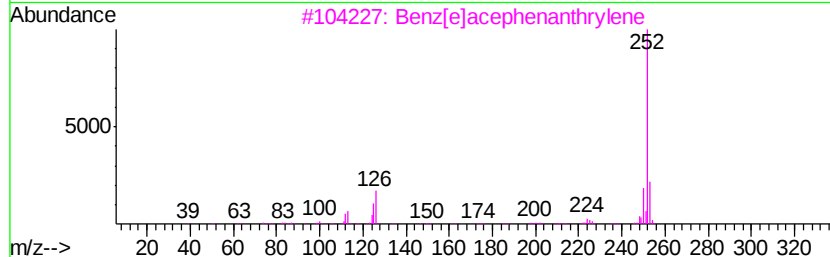
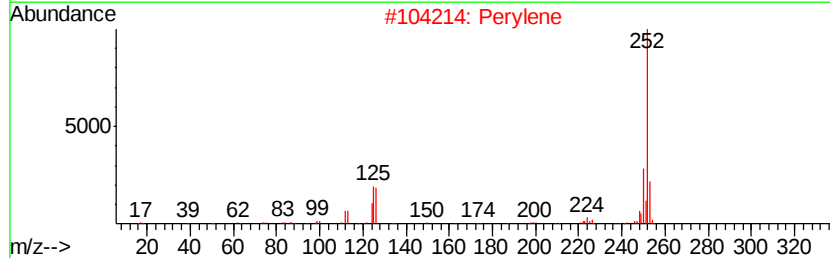
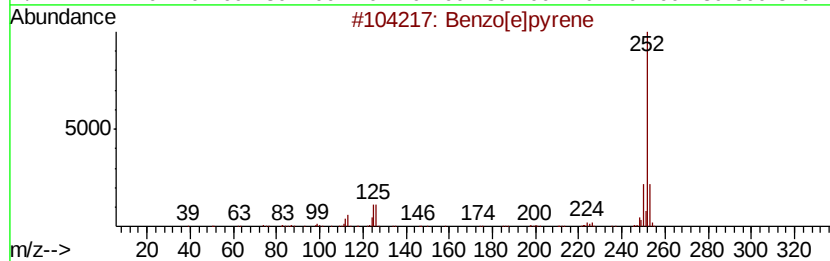
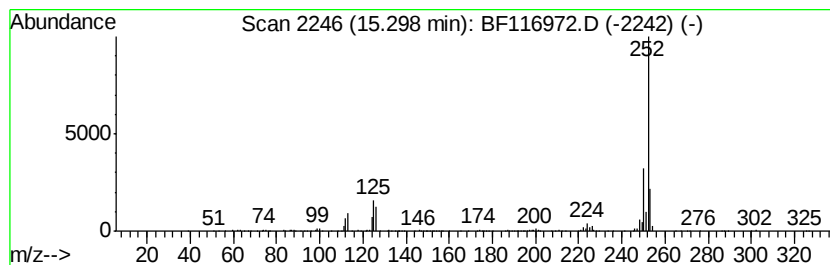
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.30	17.48 ng	483219	Perylene-d12	15.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2		Perylene	252	C20H12	000198-55-0	98
3		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	95
4		Benzo[a]pyrene	252	C20H12	000050-32-8	94
5		Benzo[k]fluoranthene	252	C20H12	000207-08-9	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091119\
Data File : BF116972.D
Acq On : 12 Sep 2019 2:54
Operator : HP/JU
Sample : K4814-03 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

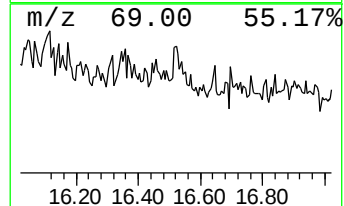
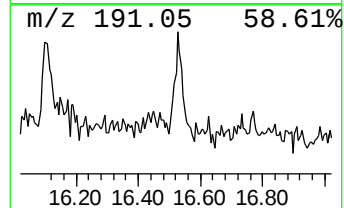
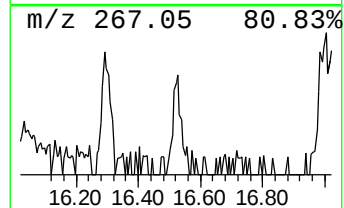
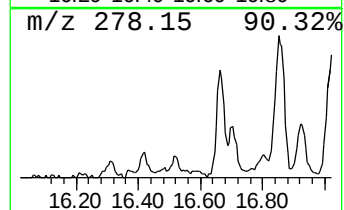
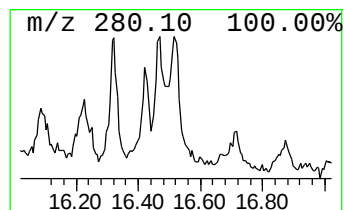
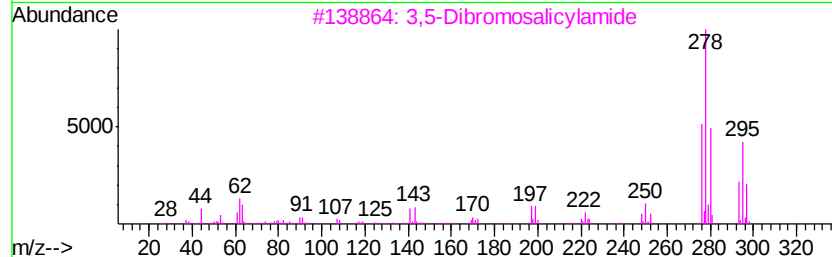
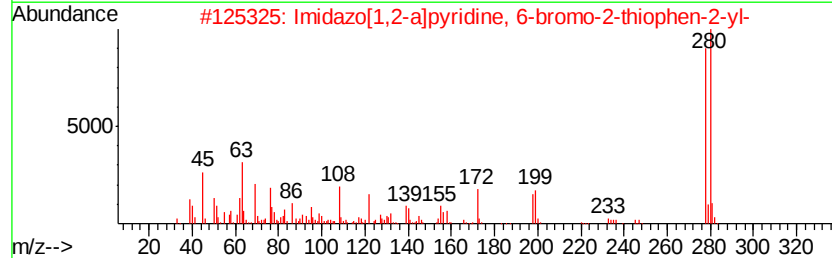
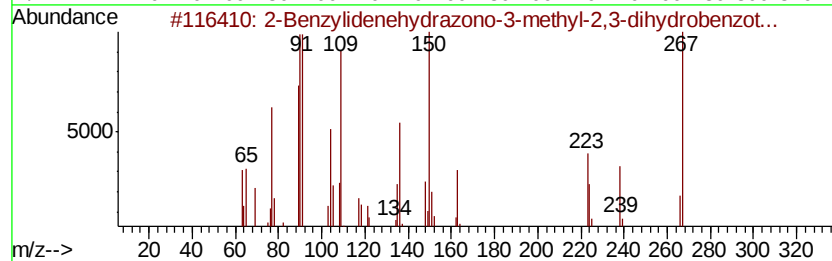
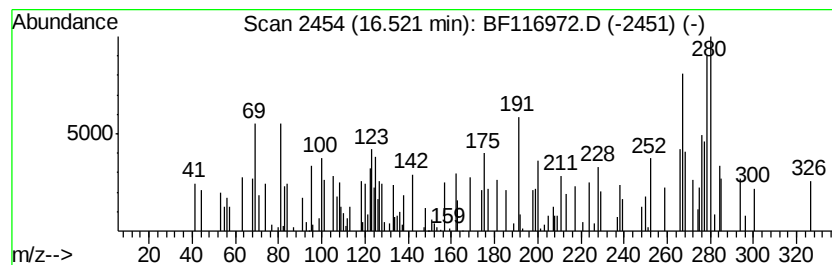
Instrument :
BNA_F
ClientSampleId :
WC-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 unknown16.52 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.		
16.52	4.37 ng	120888	Perylene-d12	15.42		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Benzylidenehydrazono-3-methyl-...	267	C15H13N3S	1000146-59-1	25	
2	Imidazo[1,2-alpyridine, 6-bromo-...	278	C11H7BrN2S	1000310-77-6	22	
3	3,5-Dibromosalicylamide	293	C7H5Br2NO2	017892-25-0	22	
4	4-Isothiazolecarbonitrile, 3-(p-...	278	C11H7BrN2S	019762-79-9	22	
5	1-Methyl-1-hydridotetrachlorocyc...	291	CH4Cl4N3P3	068351-74-6	14	



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091119\
Data File : BF116972.D
Acq On : 12 Sep 2019 2:54
Operator : HP/JU
Sample : K4814-03 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

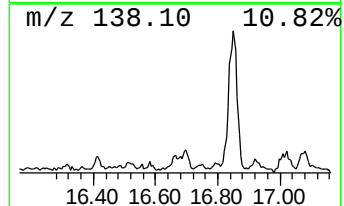
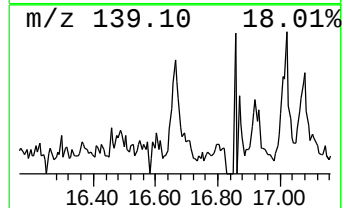
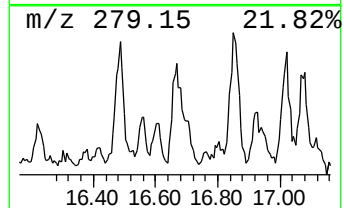
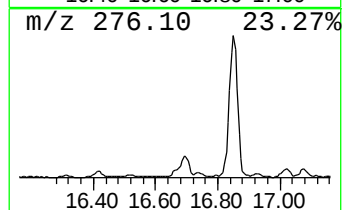
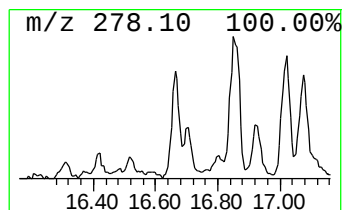
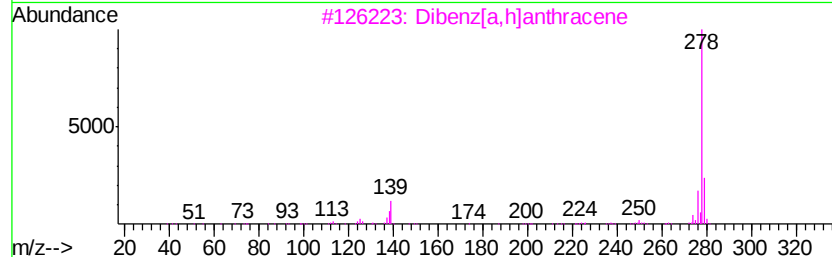
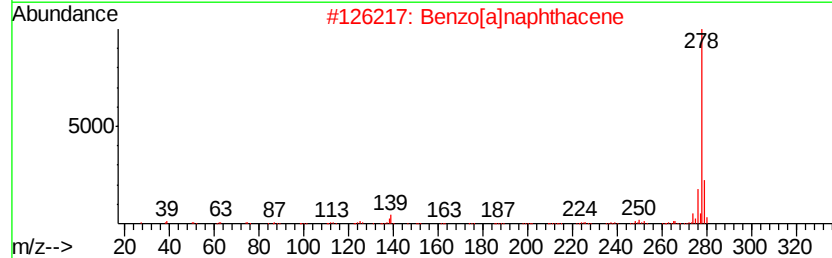
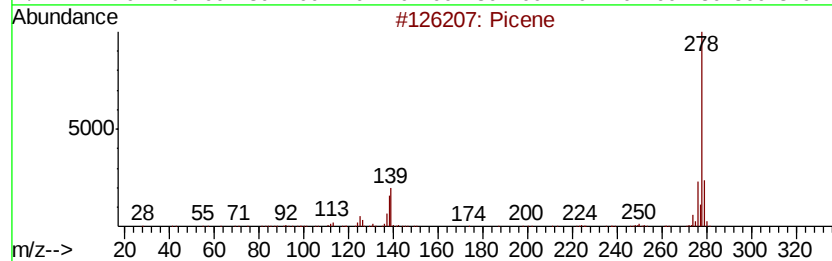
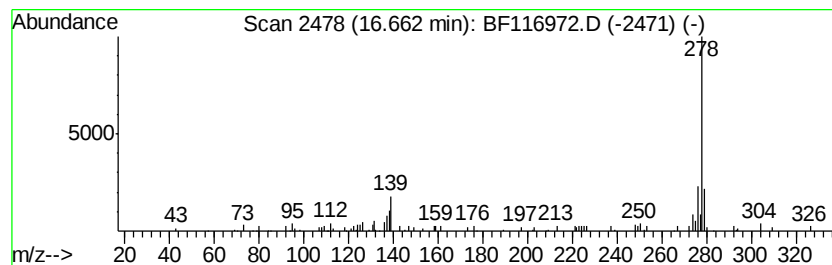
Instrument :
BNA_F
ClientSampleId :
WC-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 Picene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.66	3.67 ng	101318	Perylene-d12	15.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Picene	278 C22H14	000213-46-7	93
2	Benzo[a]naphthacene	278 C22H14	000226-88-0	87
3	Dibenz[a,h]anthracene	278 C22H14	000053-70-3	81
4	Pentaphene	278 C22H14	000222-93-5	81
5	Benzo[b]triphenylene	278 C22H14	000215-58-7	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF091119\
 Data File : BF116972.D
 Acq On : 12 Sep 2019 2:54
 Operator : HP/JU
 Sample : K4814-03 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown6.59	6.59	36.7	ng	678011	1	6.82	369202	20.0
Dibenzofuran, 4-m...	10.56	3.2	ng	95930	3	9.85	600114	20.0
9H-Fluoren-9-one	11.14	5.7	ng	185104	4	11.34	645818	20.0
Naphtho[1,2-b]thi...	11.23	3.9	ng	126303	4	11.34	645818	20.0
Dibenzothiophene,...	11.67	3.8	ng	123098	4	11.34	645818	20.0
Phenanthrene, 2-m...	11.84	10.7	ng	345208	4	11.34	645818	20.0
Phenanthrene, 1-m...	11.86	14.0	ng	452643	4	11.34	645818	20.0
Anthracene, 1-met...	11.94	11.0	ng	355967	4	11.34	645818	20.0
1H-Indene, 2-phenyl-	11.97	6.1	ng	198184	4	11.34	645818	20.0
Naphthalene, 2-ph...	12.13	7.6	ng	244721	4	11.34	645818	20.0
9,10-Anthracenedione	12.16	6.1	ng	197771	4	11.34	645818	20.0
Phenanthrene, 4,5...	12.28	4.7	ng	151977	4	11.34	645818	20.0
Phenanthrene, 2,5...	12.39	9.0	ng	291787	4	11.34	645818	20.0
Cyclopenta(def)ph...	12.47	9.5	ng	308108	4	11.34	645818	20.0
Fluoranthene, 2-m...	12.99	3.8	ng	315524	5	13.97	1645440	20.0
11H-Benzo[a]fluor...	13.61	3.2	ng	261042	5	13.97	1645440	20.0
Benzo[e]pyrene	15.30	17.5	ng	483219	6	15.42	552757	20.0
unknown16.52	16.52	4.4	ng	120888	6	15.42	552757	20.0
Picene	16.66	3.7	ng	101318	6	15.42	552757	20.0