

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
 Data File : BF097172.D
 Acq On : 28 Jul 2017 23:46
 Operator : SJ/JU
 Sample : I4456-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-12-SS-4

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:\HPCHEM1\BNA_F\METHODS\8270-BF072517.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	4.634	463	467	486	rVB	634891	959268	31.04%	1.997%
2	5.093	540	545	565	rBV	2773034	3090121	100.00%	6.432%
3	6.151	720	725	740	rBV	2476499	3025094	97.90%	6.296%
4	6.263	740	744	747	rBV	2600364	2557263	82.76%	5.323%
5	6.487	778	782	788	rBV	756699	649763	21.03%	1.352%
6	6.645	804	809	812	rBV	2020262	1940508	62.80%	4.039%
7	7.057	874	879	882	rBV	1887540	1748773	56.59%	3.640%
8	7.769	996	1000	1003	rBV	1082979	947010	30.65%	1.971%
9	8.845	1179	1183	1187	rBV	2225881	2059179	66.64%	4.286%
10	9.245	1247	1251	1254	rBV	455582	358351	11.60%	0.746%
11	9.516	1293	1297	1299	rBV	838449	787077	25.47%	1.638%
12	9.545	1299	1302	1307	rVB	528177	413743	13.39%	0.861%
13	9.722	1328	1332	1335	rBV	134021	128301	4.15%	0.267%
14	10.057	1386	1389	1395	rVB	310351	258955	8.38%	0.539%
15	10.122	1395	1400	1402	rBV	49467	67199	2.17%	0.140%
16	10.192	1406	1412	1414	rVV2	45947	59751	1.93%	0.124%
17	10.298	1426	1430	1435	rBV	1205096	1164255	37.68%	2.423%
18	10.439	1450	1454	1460	rBV2	71164	97766	3.16%	0.203%
19	10.798	1513	1515	1520	rVB	71061	66475	2.15%	0.138%
20	10.886	1526	1530	1532	rVV	170391	158530	5.13%	0.330%
21	10.986	1541	1547	1549	rBV	574444	589665	19.08%	1.227%
22	11.016	1549	1552	1555	rVV	2079050	1876864	60.74%	3.906%
23	11.063	1555	1560	1564	rVV	668565	583646	18.89%	1.215%
24	11.104	1564	1567	1570	rVB	65020	63168	2.04%	0.131%
25	11.222	1581	1587	1595	rBV2	352247	356160	11.53%	0.741%
26	11.486	1627	1632	1635	rBV	193509	198638	6.43%	0.413%
27	11.516	1635	1637	1640	rVV	294178	243066	7.87%	0.506%
28	11.545	1640	1642	1643	rVV	124064	93495	3.03%	0.195%
29	11.563	1643	1645	1648	rVV	137683	116901	3.78%	0.243%
30	11.598	1648	1651	1653	rVV	394144	366739	11.87%	0.763%
31	11.622	1653	1655	1661	rVB	130035	117877	3.81%	0.245%
32	11.780	1680	1682	1685	rBV	145049	124533	4.03%	0.259%
33	11.810	1685	1687	1691	rVB	139381	123539	4.00%	0.257%
34	12.039	1721	1726	1728	rBV	73973	85592	2.77%	0.178%

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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.074	1728	1732	1734	rVV	60233	73012	2.36%	0.152%
36	12.121	1738	1740	1748	rVB2	98797	107825	3.49%	0.224%
37	12.198	1748	1753	1756	rBV	2146500	2163214	70.00%	4.502%
38	12.257	1759	1763	1767	rBV2	53403	76134	2.46%	0.158%
39	12.339	1772	1777	1780	rBV	160070	179579	5.81%	0.374%
40	12.421	1785	1791	1794	rBV	1874064	2193352	70.98%	4.565%
41	12.469	1797	1799	1807	rVB	115524	127945	4.14%	0.266%
42	12.539	1807	1811	1813	rBV	144781	139192	4.50%	0.290%
43	12.569	1813	1816	1823	rVB2	1332119	1363834	44.14%	2.839%
44	12.645	1823	1829	1831	rBV2	125525	210168	6.80%	0.437%
45	12.669	1831	1833	1836	rVB	83799	73301	2.37%	0.153%
46	12.727	1837	1843	1844	rBV3	127296	144852	4.69%	0.301%
47	12.751	1844	1847	1850	rVB2	359331	340260	11.01%	0.708%
48	12.816	1854	1858	1861	rBV	304726	257876	8.35%	0.537%
49	12.851	1861	1864	1866	rVV	227414	220396	7.13%	0.459%
50	12.868	1866	1867	1871	rVB	119802	104734	3.39%	0.218%
51	12.939	1877	1879	1882	rVB	76653	66841	2.16%	0.139%
52	12.974	1882	1885	1889	rBV2	88668	105146	3.40%	0.219%
53	13.151	1908	1915	1916	rBV6	57777	113712	3.68%	0.237%
54	13.168	1916	1918	1921	rVB2	98131	94903	3.07%	0.198%
55	13.233	1926	1929	1931	rBV3	48213	60172	1.95%	0.125%
56	13.257	1931	1933	1937	rVB	159006	148497	4.81%	0.309%
57	13.363	1947	1951	1953	rBV	284885	264127	8.55%	0.550%
58	13.386	1953	1955	1957	rVV	212043	207994	6.73%	0.433%
59	13.410	1957	1959	1961	rVV	175904	189009	6.12%	0.393%
60	13.427	1961	1962	1966	rVV2	150334	159787	5.17%	0.333%
61	13.463	1966	1968	1970	rVV	205553	210001	6.80%	0.437%
62	13.480	1970	1971	1975	rVV	194214	187638	6.07%	0.391%
63	13.527	1975	1979	1985	rVB	79363	112627	3.64%	0.234%
64	13.610	1985	1993	1996	rBV3	1334391	2203402	71.30%	4.586%
65	13.639	1996	1998	2006	rVB	1172830	1133648	36.69%	2.360%
66	13.716	2006	2011	2014	rBV	284409	276014	8.93%	0.574%
67	13.810	2024	2027	2028	rVV	149626	142796	4.62%	0.297%
68	13.839	2031	2032	2036	rVB	133692	109859	3.56%	0.229%
69	13.963	2050	2053	2055	rVV2	94721	92857	3.00%	0.193%
70	13.998	2055	2059	2062	rVV	221826	241375	7.81%	0.502%
71	14.033	2062	2065	2069	rVV2	110941	115536	3.74%	0.240%

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72	14.092	2070	2075	2077	rVV2	113033	146491	4.74%	0.305%
73	14.121	2077	2080	2082	rVV4	201754	259595	8.40%	0.540%
74	14.139	2082	2083	2086	rVB2	141544	100938	3.27%	0.210%
75	14.192	2090	2092	2098	rVB2	83685	105114	3.40%	0.219%
76	14.310	2108	2112	2115	rBV	125622	151813	4.91%	0.316%
77	14.468	2136	2139	2142	rBV2	116382	135702	4.39%	0.282%
78	14.527	2146	2149	2151	rVV4	72968	81609	2.64%	0.170%
79	14.610	2158	2163	2171	rVV	1035917	1806411	58.46%	3.760%
80	14.692	2175	2177	2187	rVV2	210944	334516	10.83%	0.696%
81	14.786	2187	2193	2196	rVV4	55061	134999	4.37%	0.281%
82	14.815	2196	2198	2201	rVV2	79986	96439	3.12%	0.201%
83	14.857	2201	2205	2210	rVV	532055	629897	20.38%	1.311%
84	14.910	2210	2214	2219	rVV	750158	840347	27.19%	1.749%
85	14.962	2219	2223	2225	rVV	434519	467452	15.13%	0.973%
86	14.986	2225	2227	2234	rVB	243890	317473	10.27%	0.661%
87	15.151	2251	2255	2261	rVB4	62760	130013	4.21%	0.271%
88	15.368	2288	2292	2294	rBV3	61695	75079	2.43%	0.156%
89	15.427	2300	2302	2306	rVB2	61699	66128	2.14%	0.138%
90	15.557	2322	2324	2331	rVB6	40501	59694	1.93%	0.124%
91	16.180	2425	2430	2437	rVB	320062	533470	17.26%	1.110%
92	16.321	2449	2454	2459	rBV2	77709	141455	4.58%	0.294%
93	16.368	2459	2462	2468	rVV3	43203	69609	2.25%	0.145%
94	16.545	2486	2492	2499	rBV	202735	389225	12.60%	0.810%
95	16.751	2522	2527	2534	rBV3	48167	108198	3.50%	0.225%
96	17.492	2648	2653	2663	rVB9	70110	162593	5.26%	0.338%
97	17.815	2700	2708	2721	rVB8	124069	430498	13.93%	0.896%
98	18.392	2799	2806	2816	rVB2	62111	178306	5.77%	0.371%
99	18.521	2819	2828	2839	rVV5	83443	346445	11.21%	0.721%
100	18.627	2840	2846	2855	rVB7	91428	256386	8.30%	0.534%

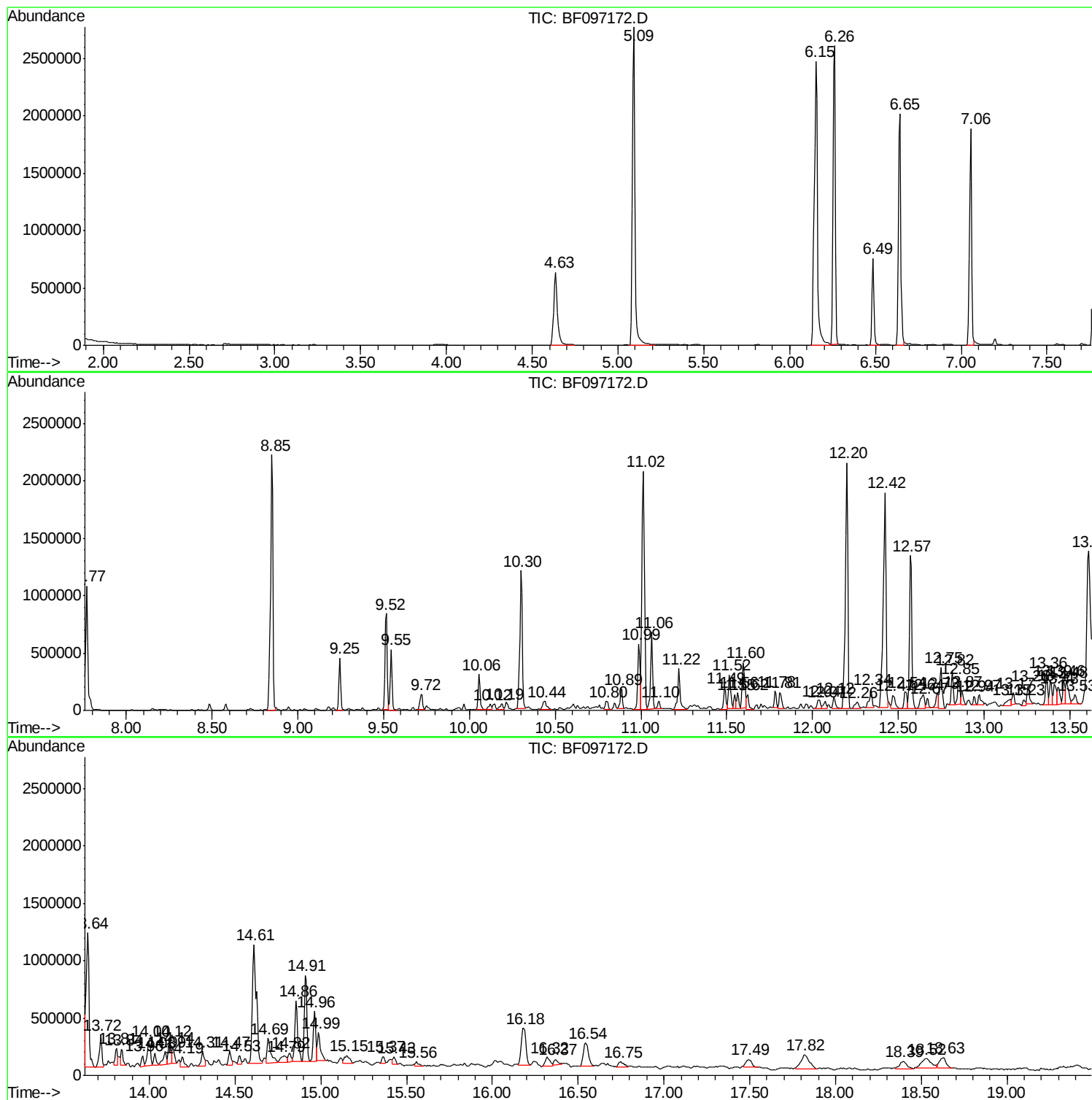
Sum of corrected areas: 48044775

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.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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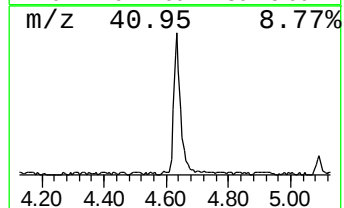
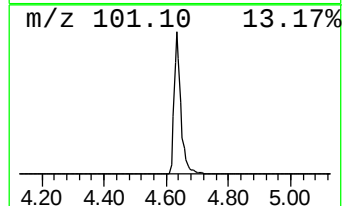
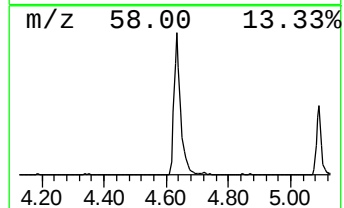
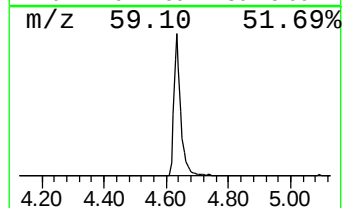
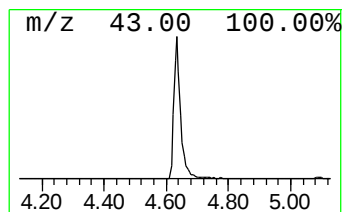
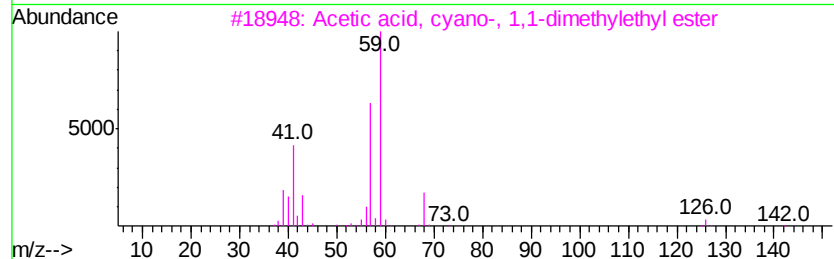
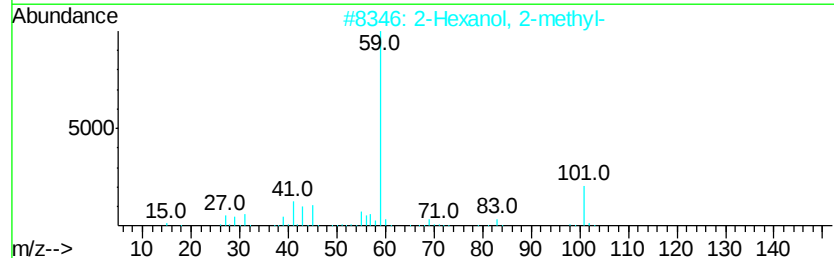
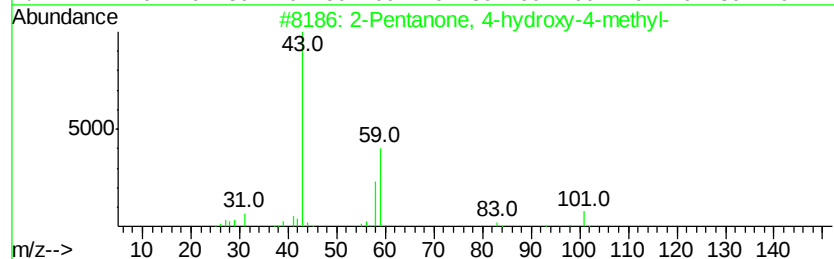
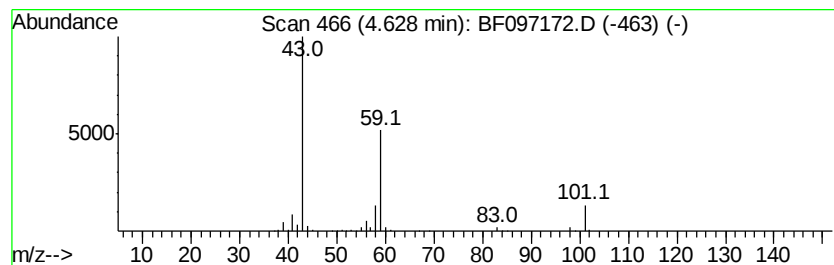
Instrument :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
4.63	29.53 ng	959268	1,4-Dichlorobenzene-d4	6.49	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
3	Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	25
4	Propanoic acid, 2-nitro-, methyl...	133	C4H7NO4	006118-50-9	9
5	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	9



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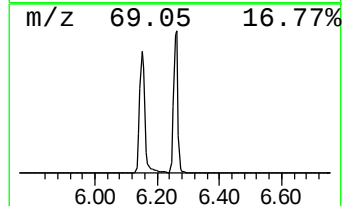
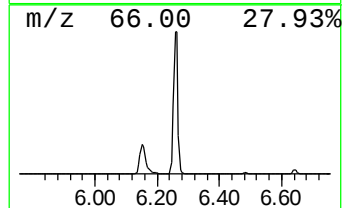
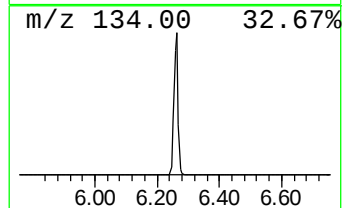
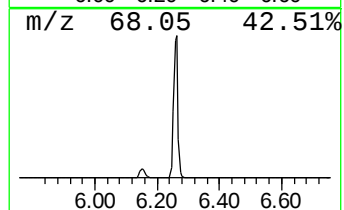
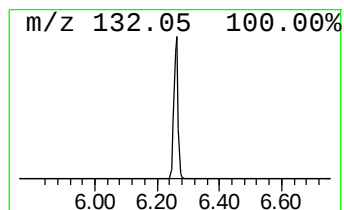
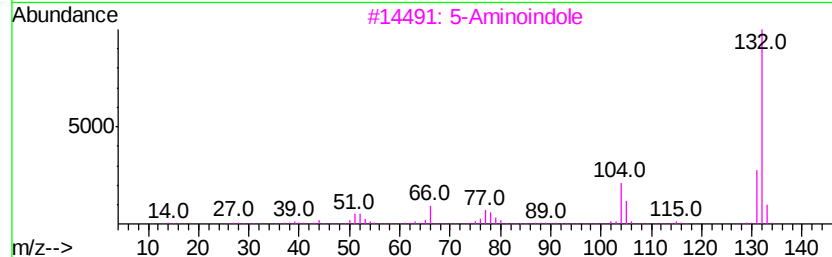
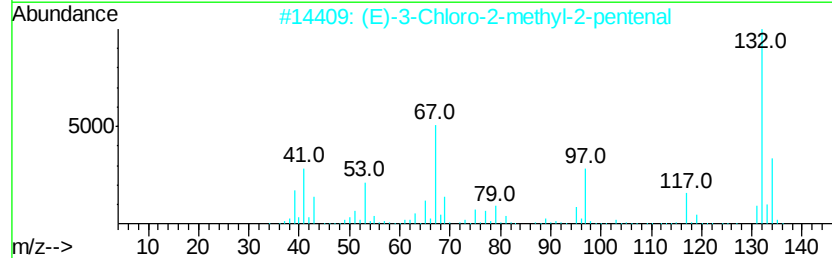
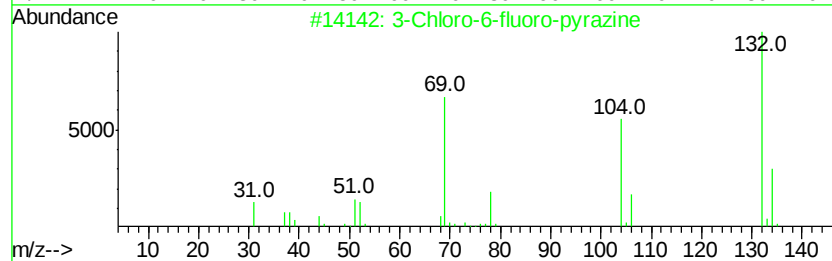
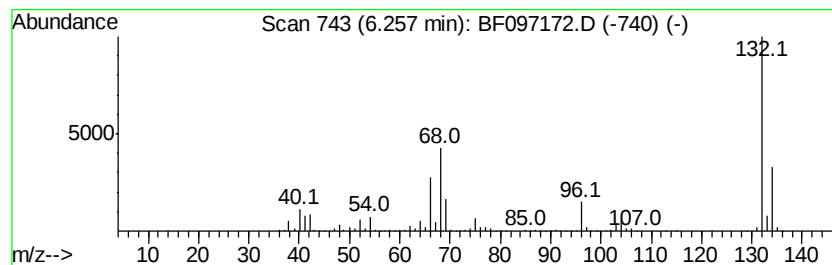
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.26 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.26	78.71 ng	2557260	1,4-Dichlorobenzene-d4	6.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3		5-Aminoindole	132	C8H8N2	005192-03-0	12
4		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9



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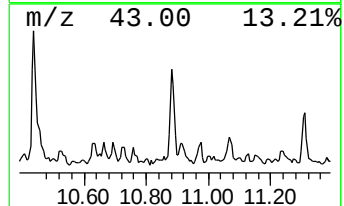
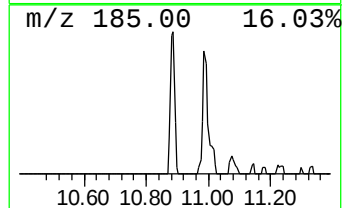
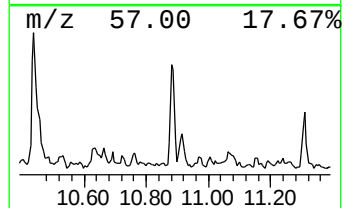
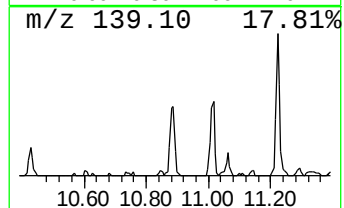
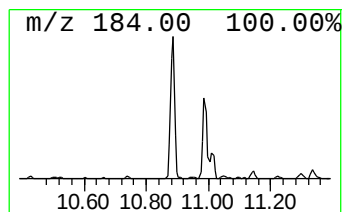
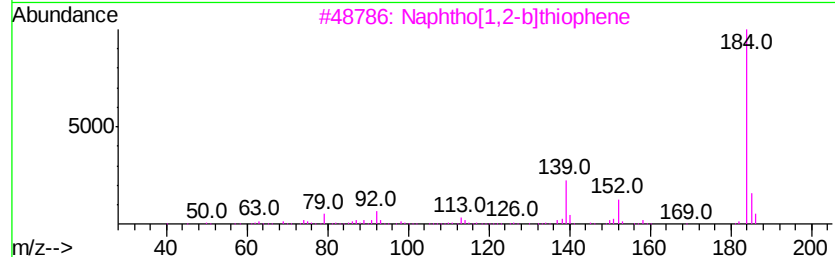
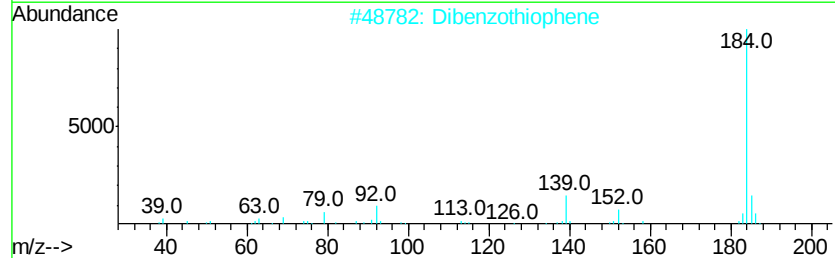
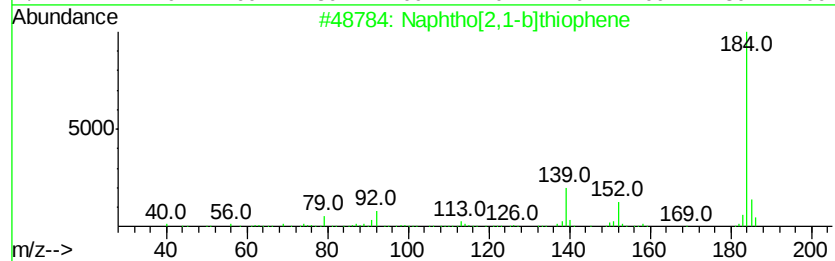
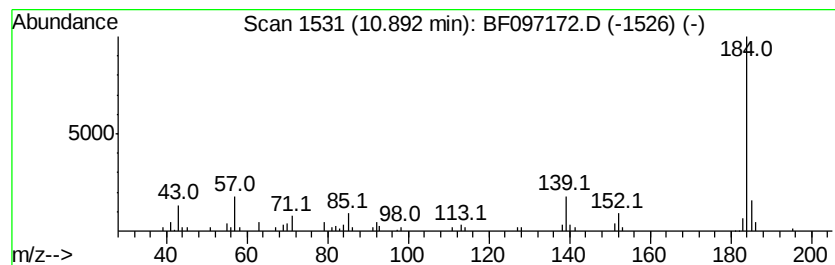
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Naphtho[2,1-b]thiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.89	5.38 ng	158530	Phenanthrene-d10	10.99

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
2		Dibenzothiophene	184	C12H8S	000132-65-0	93
3		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
4		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	91
5		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072817\
Data File : BF097172.D
Acq On : 28 Jul 2017 23:46
Operator : SJ/JU
Sample : I4456-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TP-12-SS-4

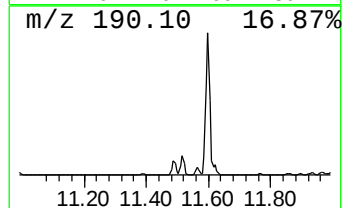
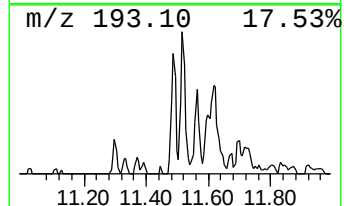
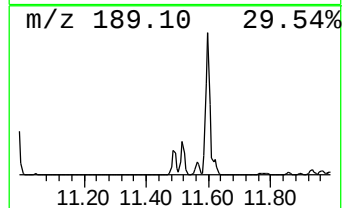
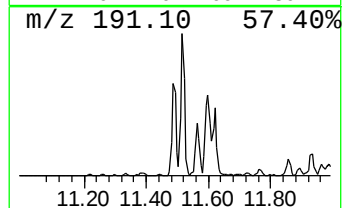
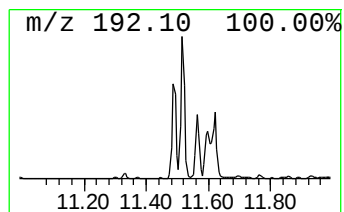
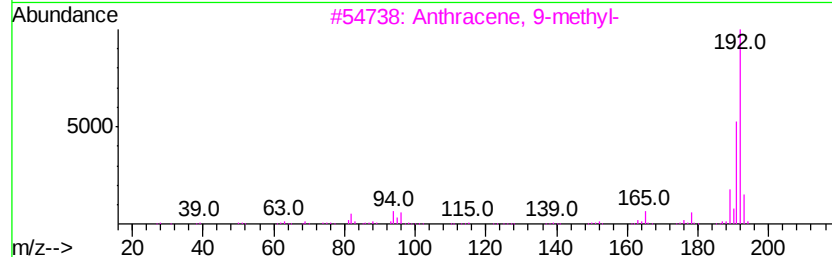
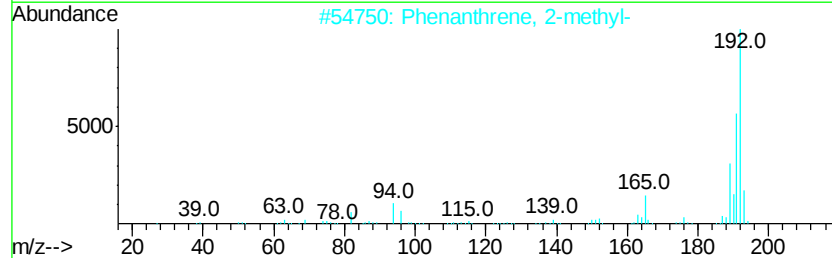
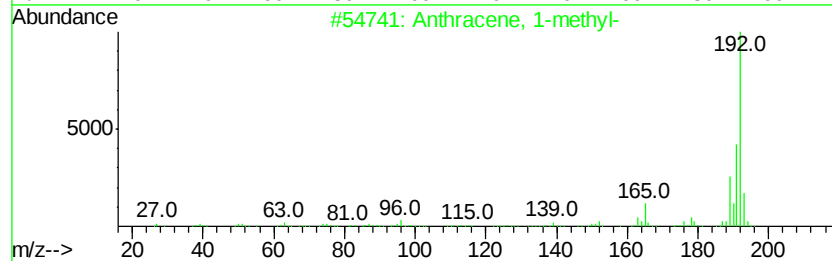
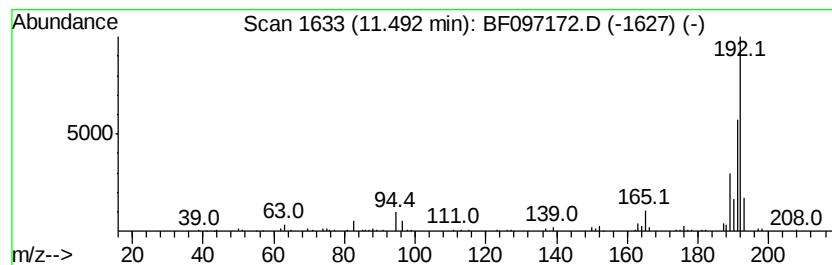
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Anthracene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.49	6.74 ng	198638	Phenanthrene-d10	10.99

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3		Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
Data File : BF097172.D
Acq On : 28 Jul 2017 23:46
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ClientSampleId :
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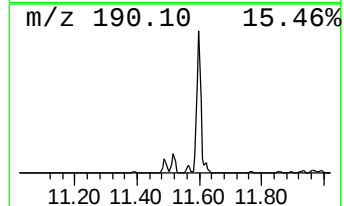
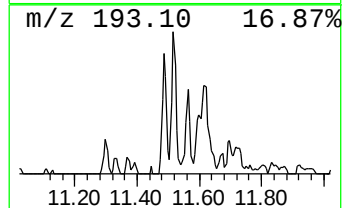
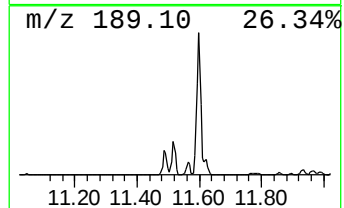
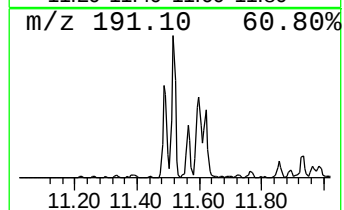
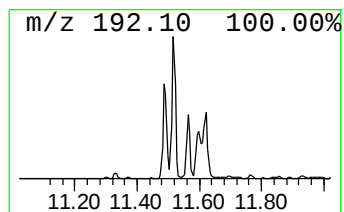
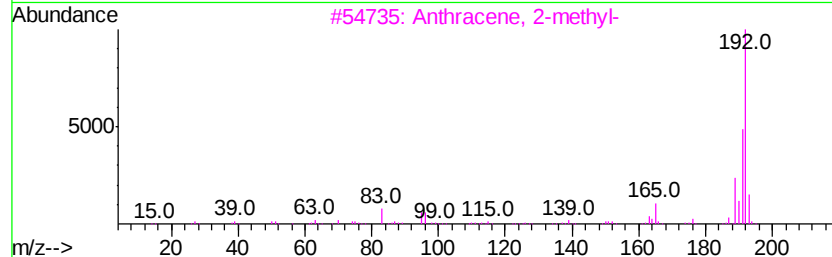
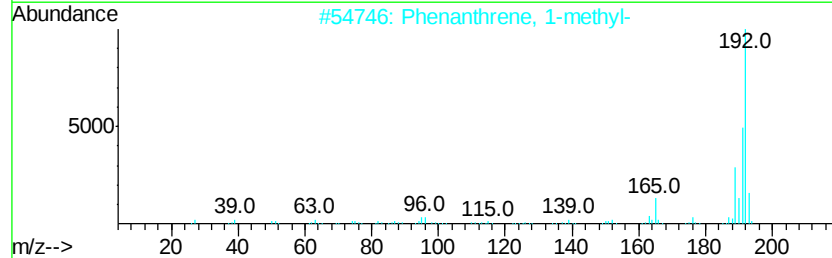
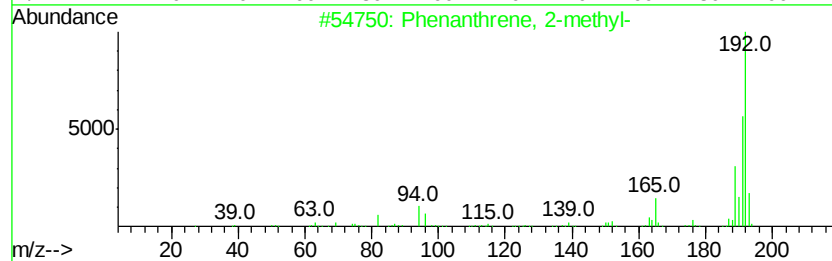
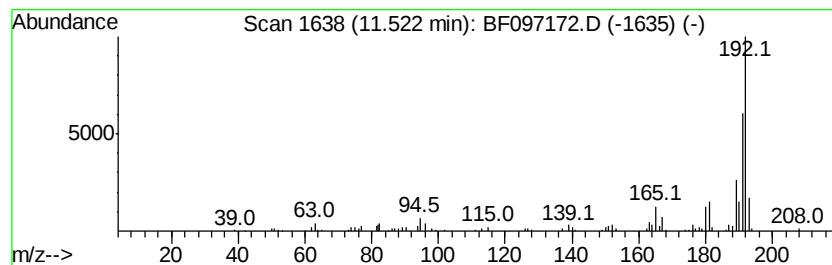
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.52	8.24 ng	243066	Phenanthrene-d10	10.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	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		Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5		1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	95



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072817\
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Acq On : 28 Jul 2017 23:46
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Sample : I4456-05
Misc :
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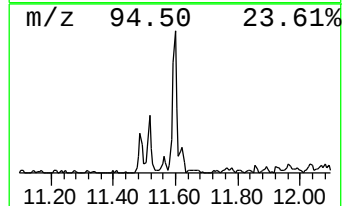
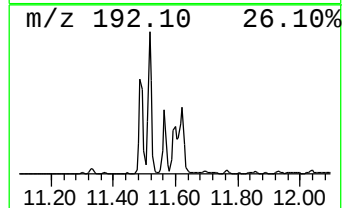
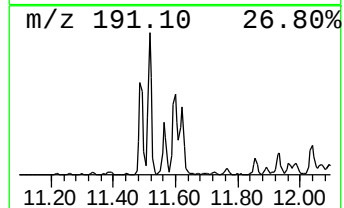
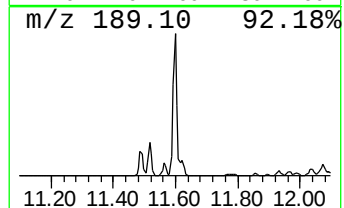
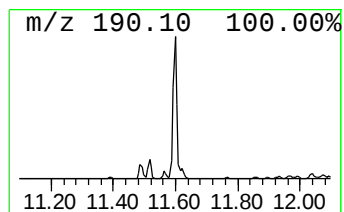
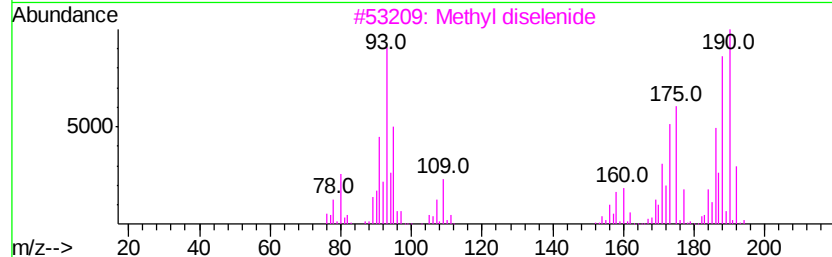
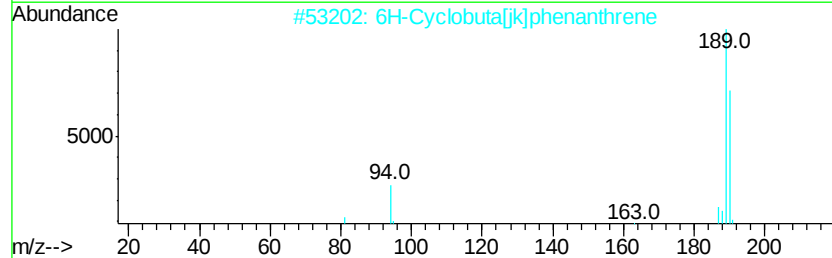
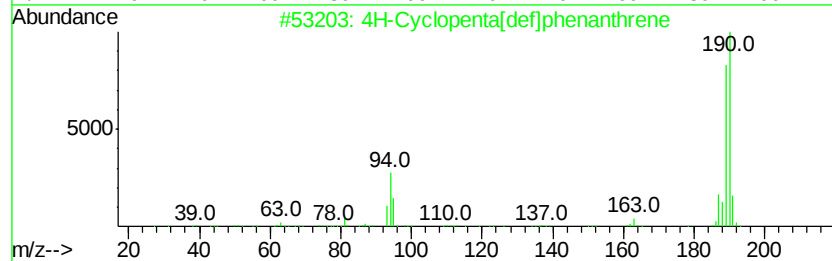
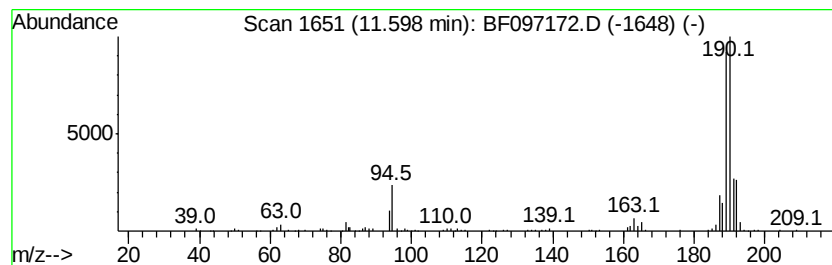
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.60	12.44 ng	366739	Phenanthrene-d10	10.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2		6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	50
3		Methyl diselenide	190	C2H6Se2	007101-31-7	49
4		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40
5		2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	16



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072817\
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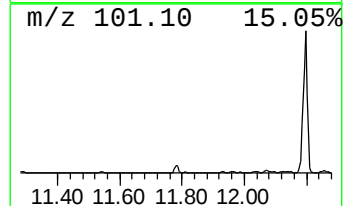
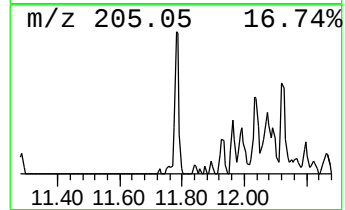
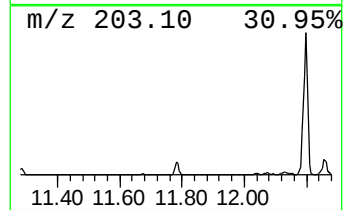
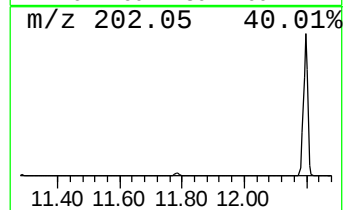
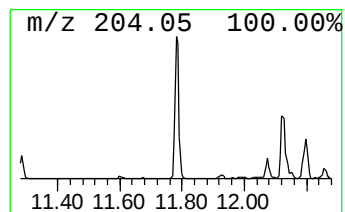
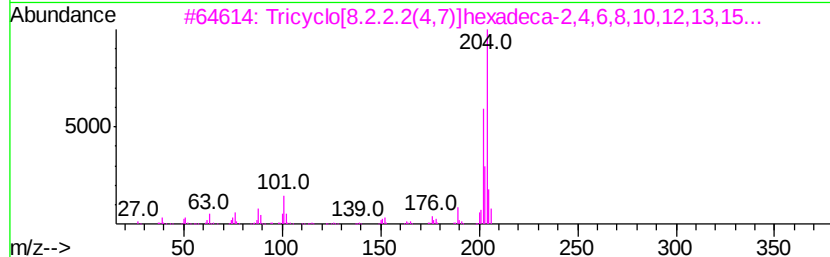
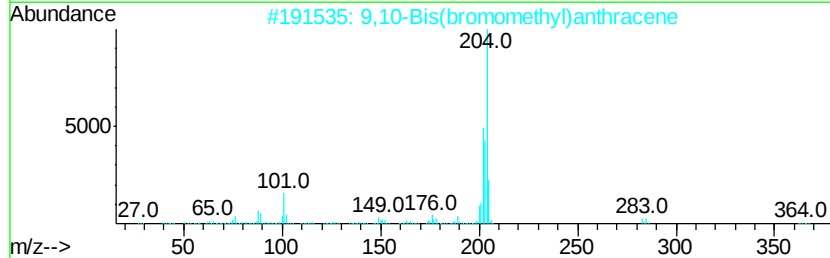
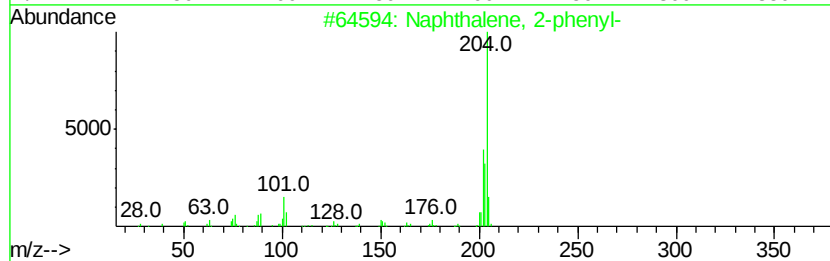
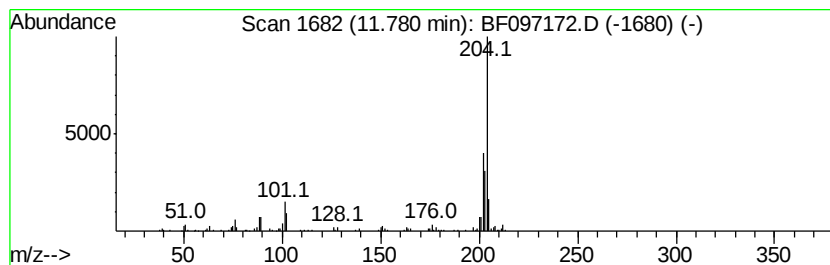
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	4.22 ng	124533	Phenanthrene-d10	10.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	90
3		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	86
4		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
5		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50



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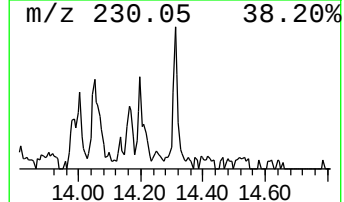
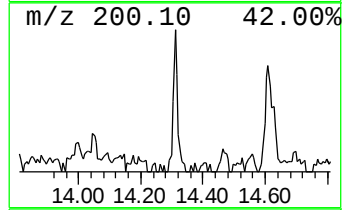
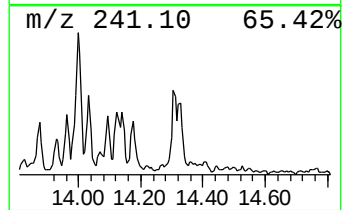
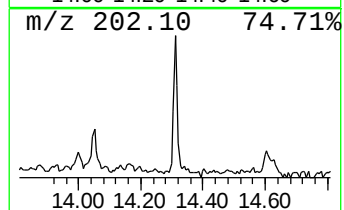
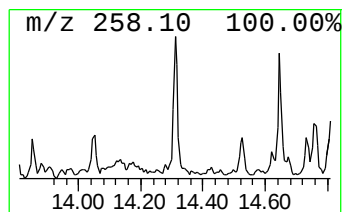
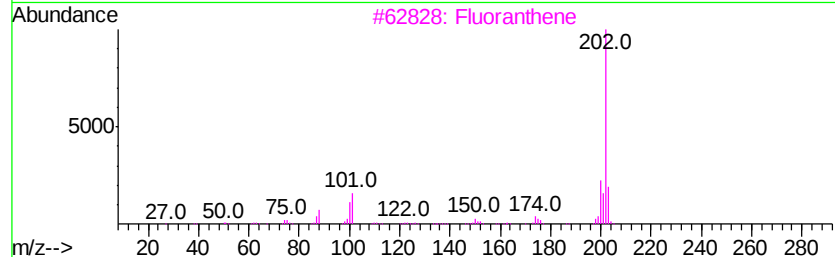
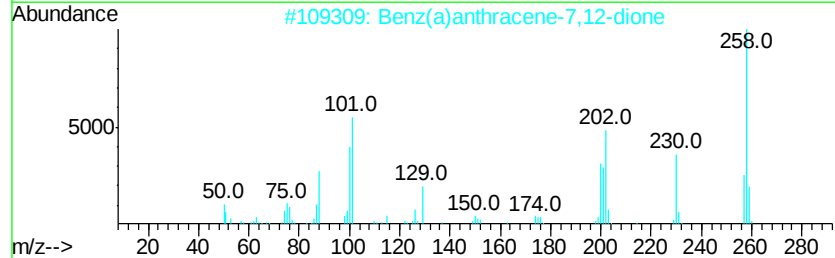
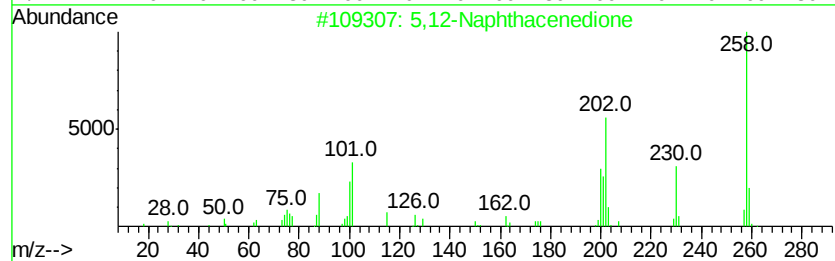
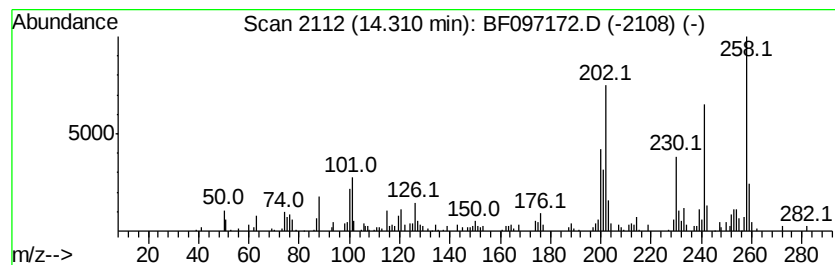
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 5,12-Naphthacenedione Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.31	6.50 ng	151813	Perylene-d12	14.96	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	93
2	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	86
3	Fluoranthene	202	C16H10	000206-44-0	66
4	Pyrene	202	C16H10	000129-00-0	50
5	5,7-Dimethyl-6-phenyl-1,3-diazaa...	258	C16H22N2O	1000216-37-9	30



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072817\
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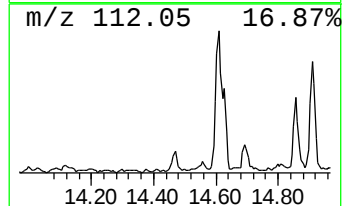
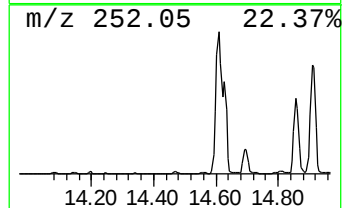
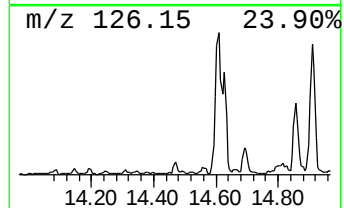
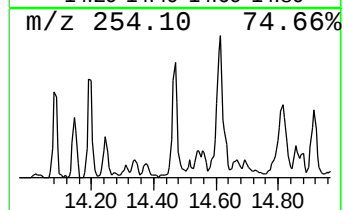
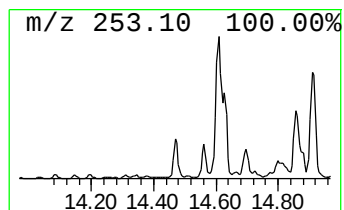
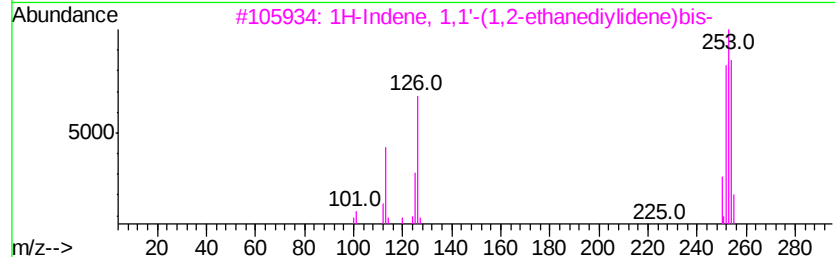
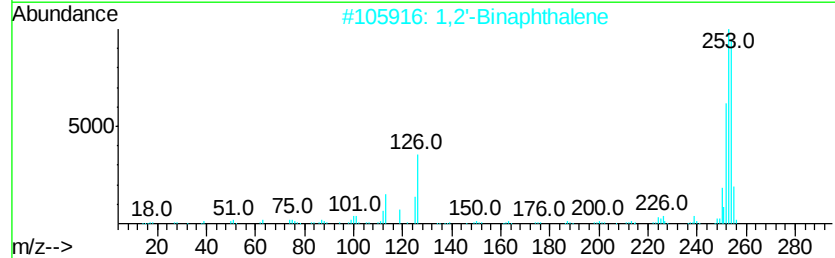
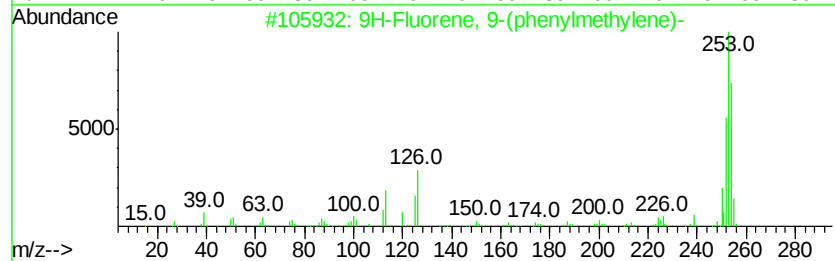
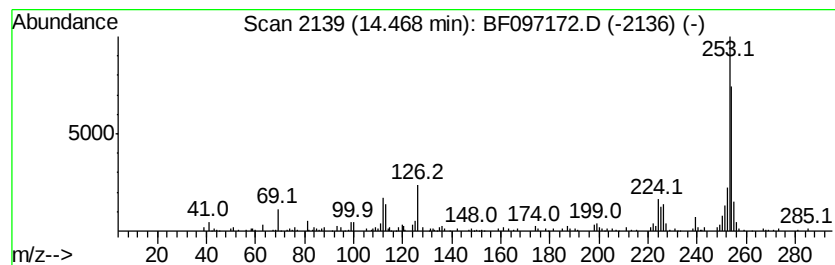
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 9H-Fluorene, 9-(phenylmethy... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.47	5.81 ng	135702	Perylene-d12	14.96

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9H-Fluorene, 9-(phenylmethylenyl)-	254	C20H14	001836-87-9	81
2			1,2'-Binaphthalene	254	C20H14	004325-74-0	74
3			1H-Indene, 1,1'-(1,2-ethanedivli...	254	C20H14	072088-04-1	74
4			4,4'-Biazulenvyl	254	C20H14	094053-54-0	74
5			7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	74



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072817\
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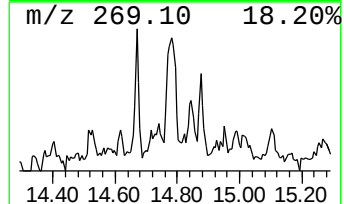
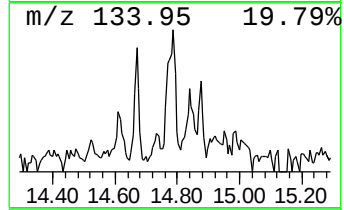
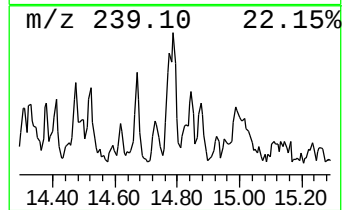
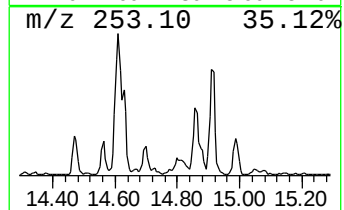
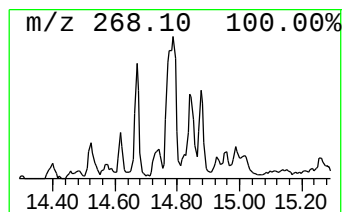
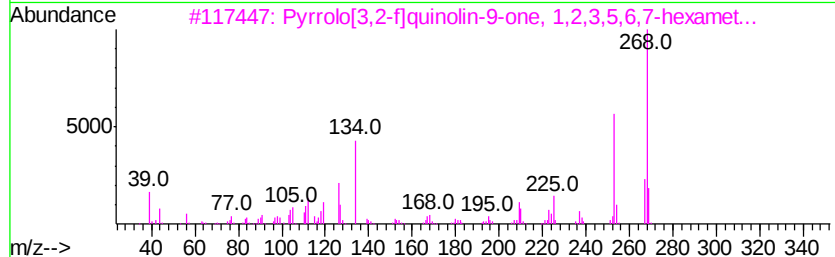
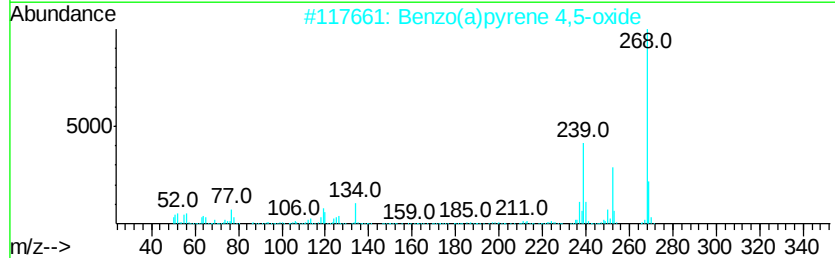
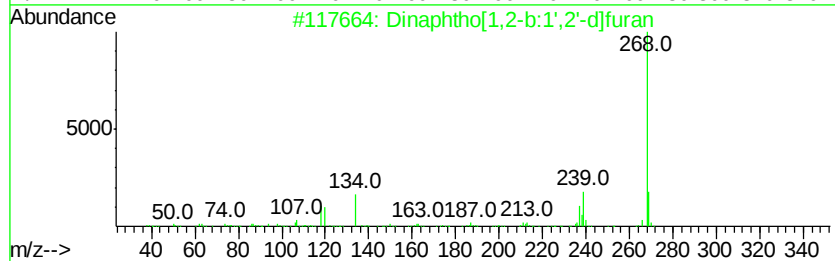
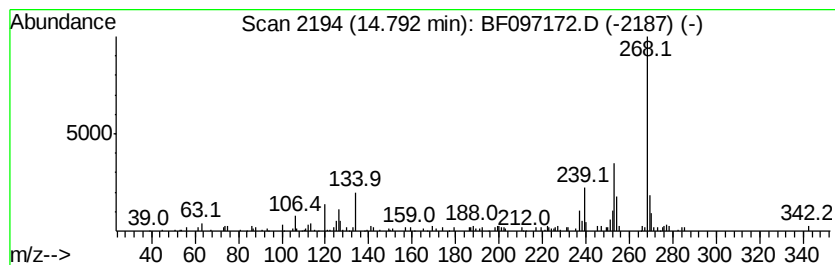
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.79	5.78 ng	134999	Perylene-d12	14.96

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	64
2		Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	52
3		Pyrrolo[3,2-f]quinolin-9-one, 1,...	268	C17H20N2O	1000302-73-3	52
4		Benzo(a)pyren-7-ol	268	C20H12O	037994-82-4	49
5		Coumaran-6-ol-3-one, 2-[4-methox...	268	C16H12O4	020727-61-1	49



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072817\
Data File : BF097172.D
Acq On : 28 Jul 2017 23:46
Operator : SJ/JU
Sample : I4456-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TP-12-SS-4

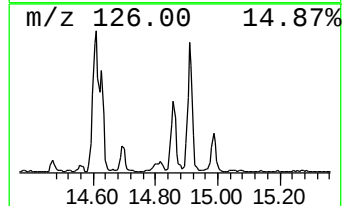
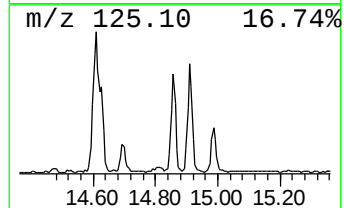
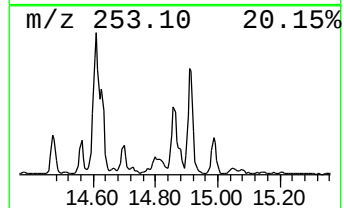
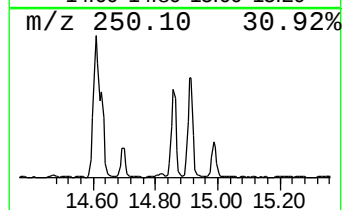
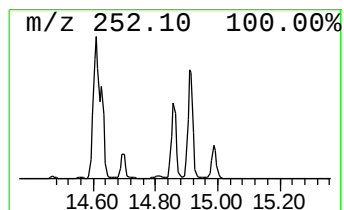
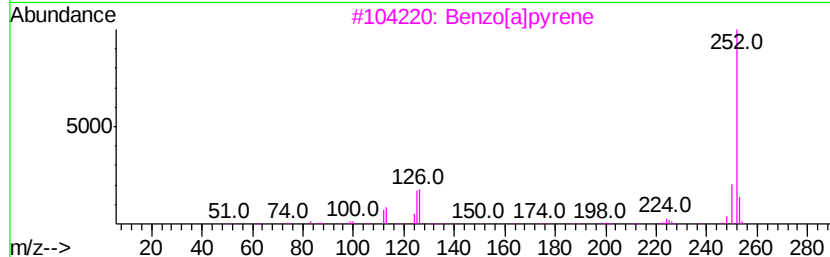
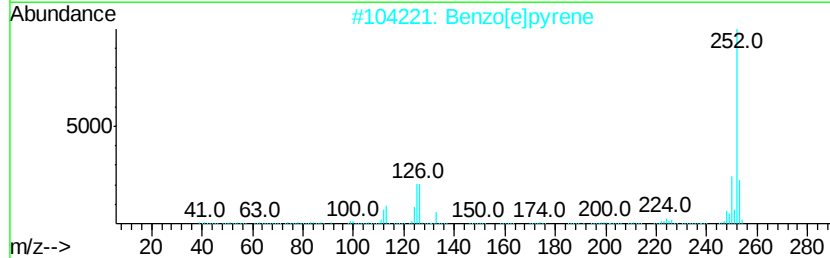
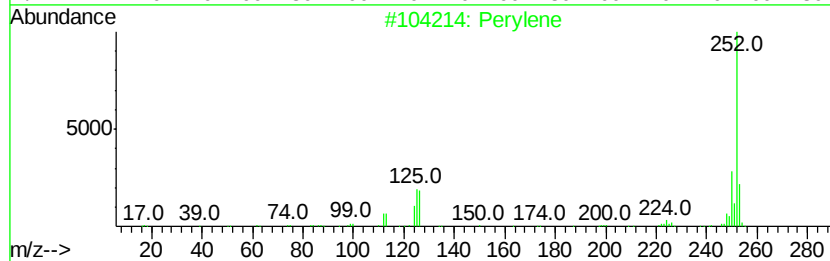
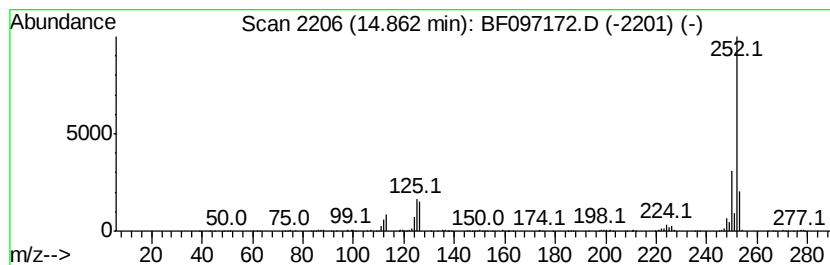
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Perylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	26.95 ng	629897	Perylene-d12	14.96

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Perylene	252	C20H12	000198-55-0	95
2		Benzo[e]pyrene	252	C20H12	000192-97-2	94
3		Benzo[a]pyrene	252	C20H12	000050-32-8	93
4		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	93
5		Benzo[k]fluoranthene	252	C20H12	000207-08-9	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072817\
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Acq On : 28 Jul 2017 23:46
Operator : SJ/JU
Sample : I4456-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

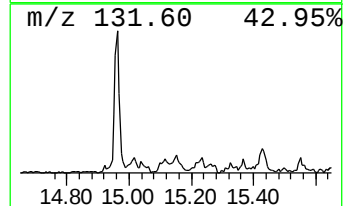
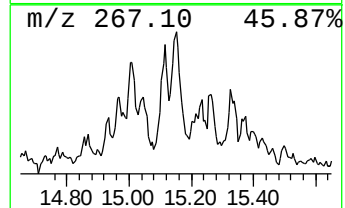
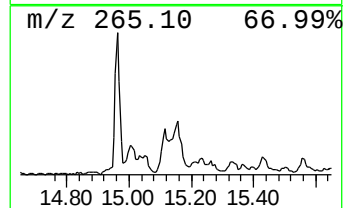
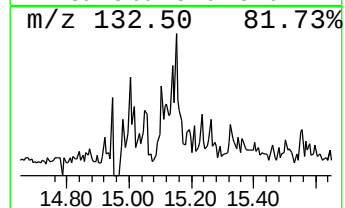
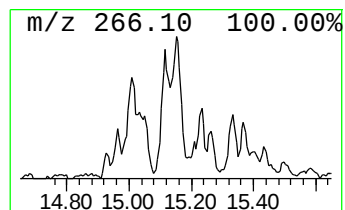
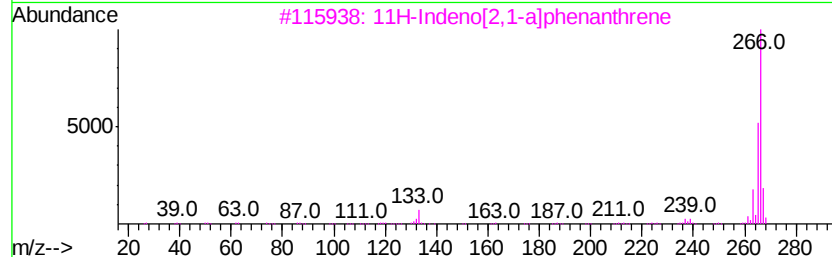
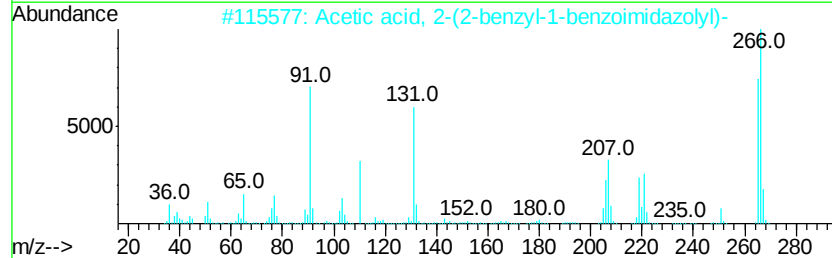
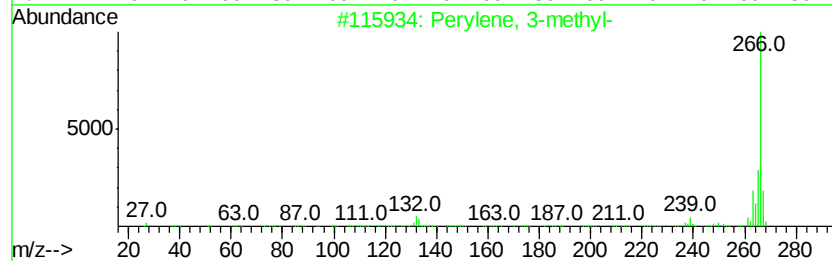
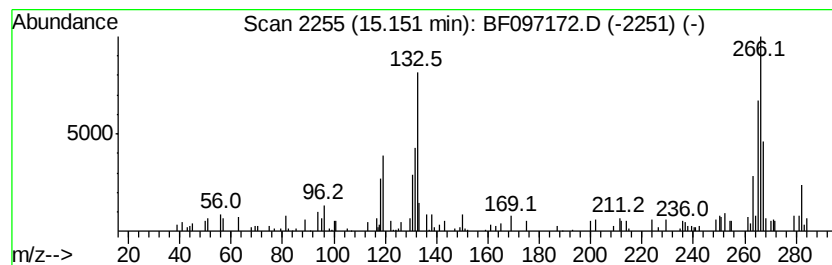
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Perylene, 3-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.15	5.56 ng	130013	Perylene-d12	14.96	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pervylene, 3-methyl-	266	C21H14	024471-47-4	43
2	Acetic acid, 2-(2-benzyl-1-benzo...	266	C16H14N2O2	152342-26-2	35
3	11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	30
4	3(2H)-Benzofuranone, 6-methoxy-2...	266	C17H14O3	077764-87-5	27
5	4H-1-Benzopyran-4-one, 3-hydroxy...	266	C17H14O3	078396-37-9	27



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ALS Vial : 16 Sample Multiplier: 1

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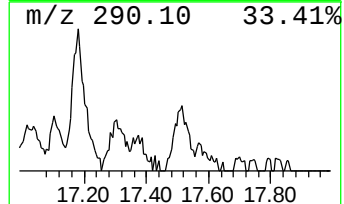
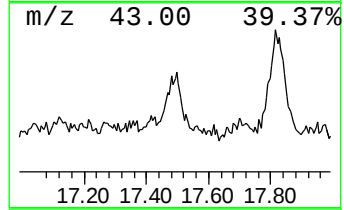
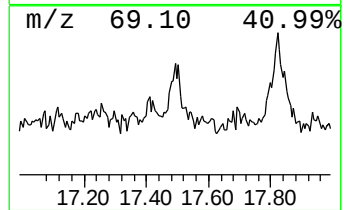
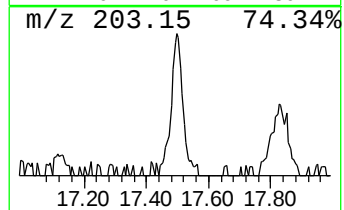
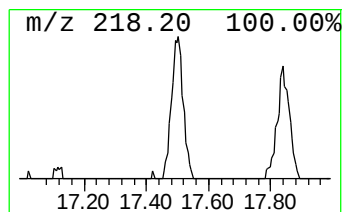
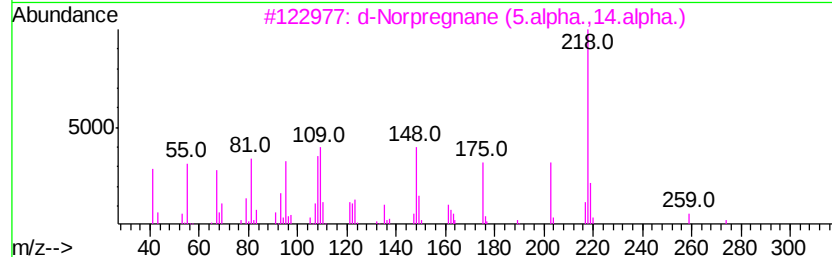
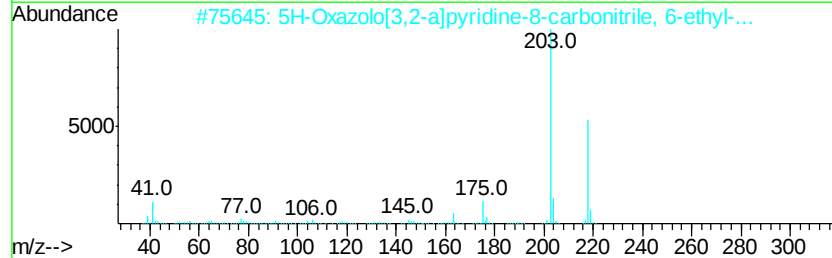
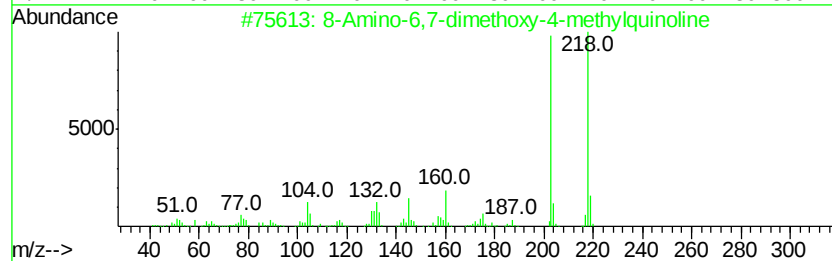
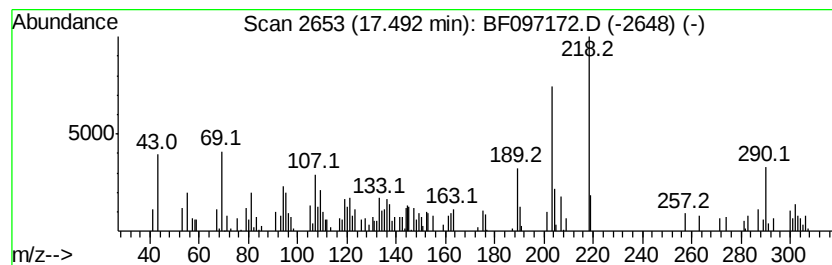
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 unknown17.49 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.49	6.96 ng	162593	Perylene-d12	14.96

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	8-Amino-6,7-dimethoxy-4-methylqu...	218	C12H14N2O2	1000213-07-2	46
2		5H-Oxazolo[3,2-a]pyridine-8-carb...	218	C12H14N2O2	1000337-58-3	43
3		d-Norpregnane (5.alpha.,14.alpha.)	274	C20H34	1000281-13-7	38
4		5-Methanesulfonyl-3-methoxy-isot...	218	C6H6N2O3S2	157138-41-5	30
5		Indeno[2,1-b]chromene,	218	C16H10O	000243-24-3	30



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Acq On : 28 Jul 2017 23:46
Operator : SJ/JU
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ALS Vial : 16 Sample Multiplier: 1

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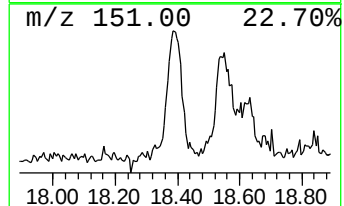
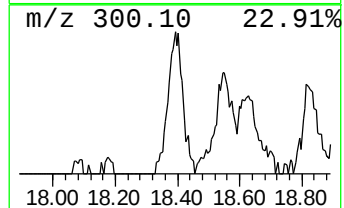
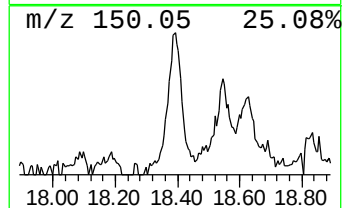
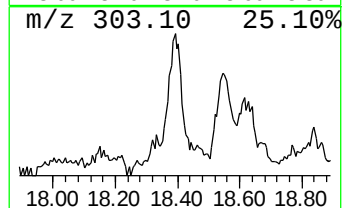
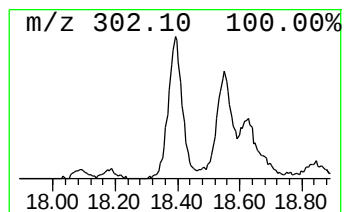
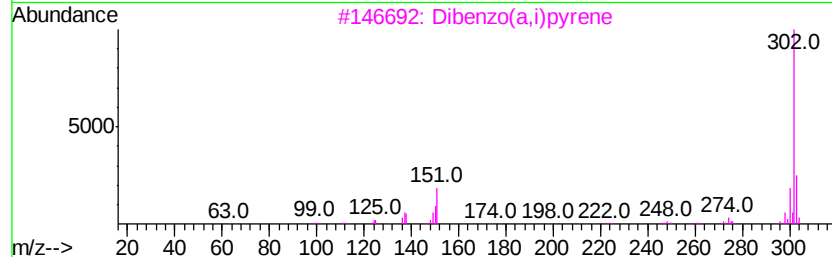
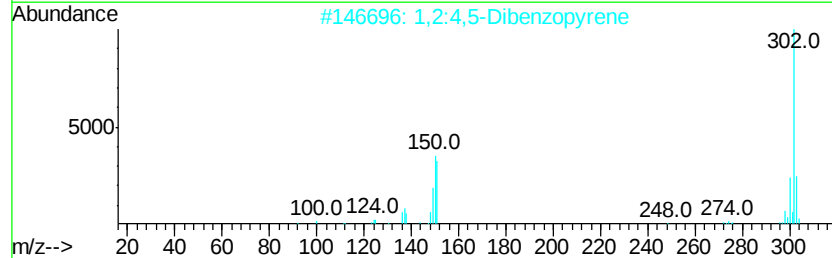
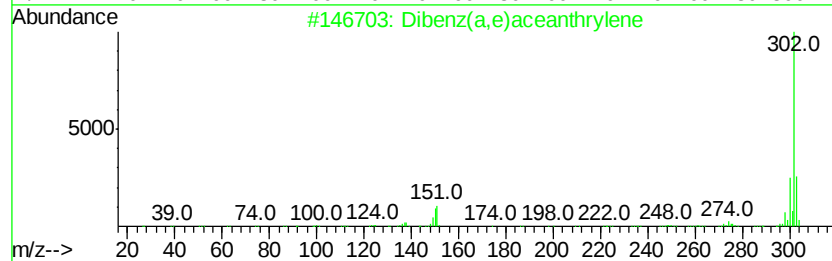
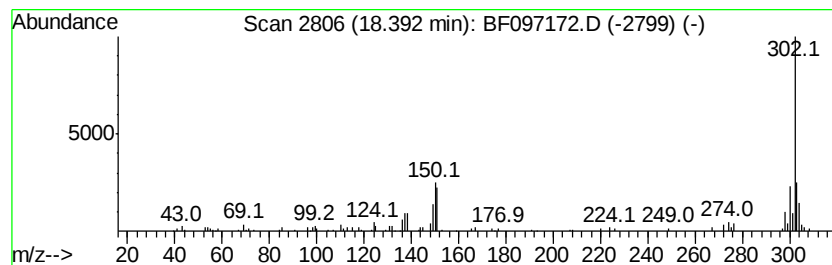
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Dibenz(a,e)aceanthrylene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.39	7.63 ng	178306	Perylene-d12	14.96

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	95
2		1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	93
3		Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	93
4		Indeno[1,2,3-f]naphthacene	302	C24H14	000203-11-2	90
5		3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	76



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072817\
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ALS Vial : 16 Sample Multiplier: 1

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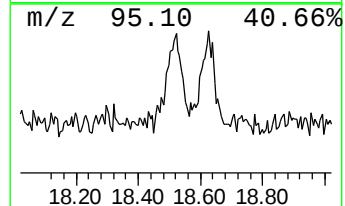
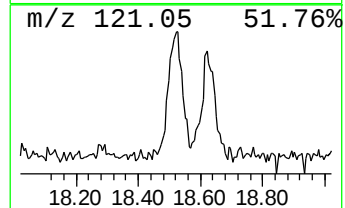
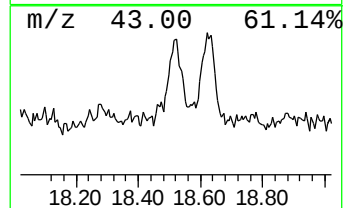
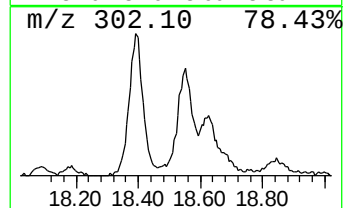
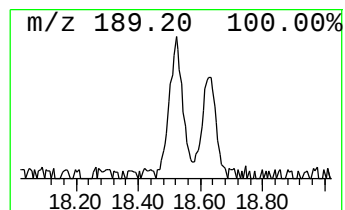
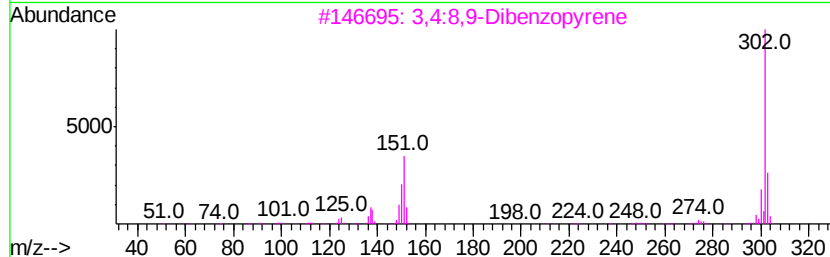
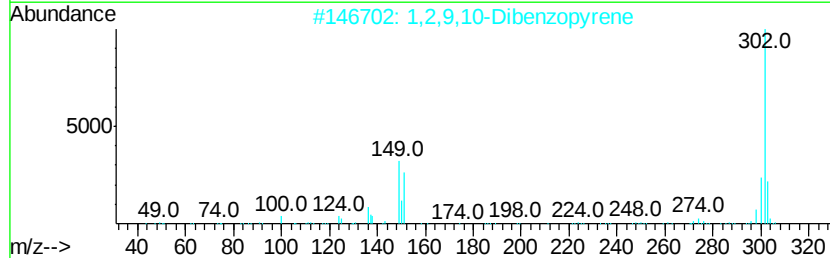
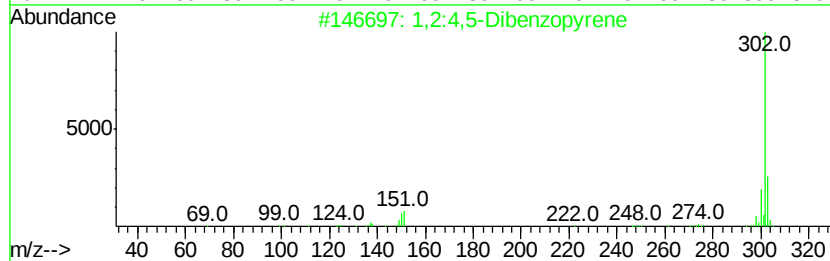
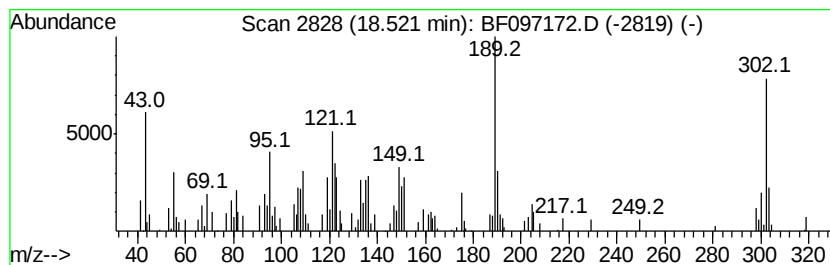
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 unknown18.52 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.52	14.82 ng	346445	Perylene-d12	14.96

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	35
2		1,2,9,10-Dibenzopyrene	302	C24H14	000191-30-0	30
3		3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	30
4		Indeno[1,2,3-f]naphthacene	302	C24H14	000203-11-2	27
5		Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	22



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072817\
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ALS Vial : 16 Sample Multiplier: 1

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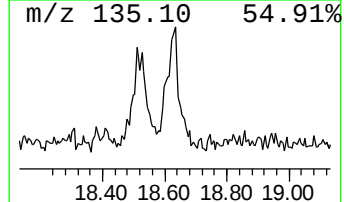
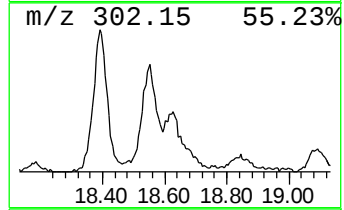
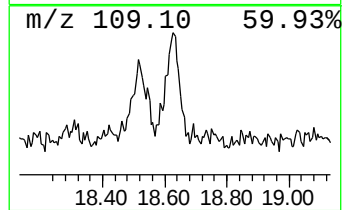
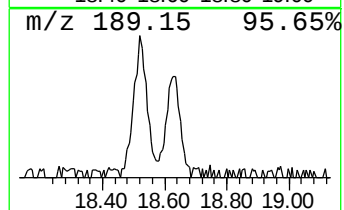
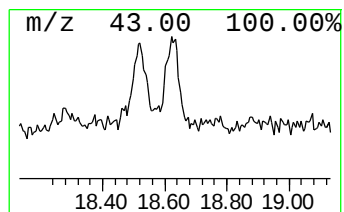
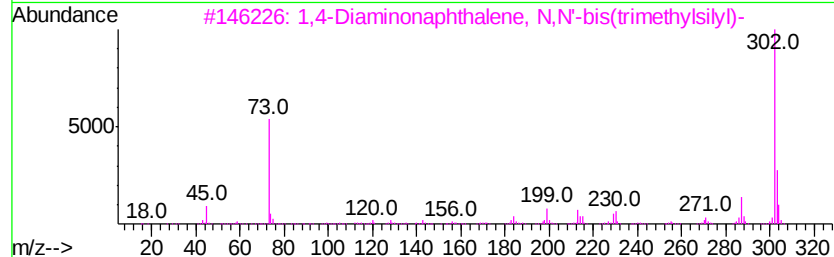
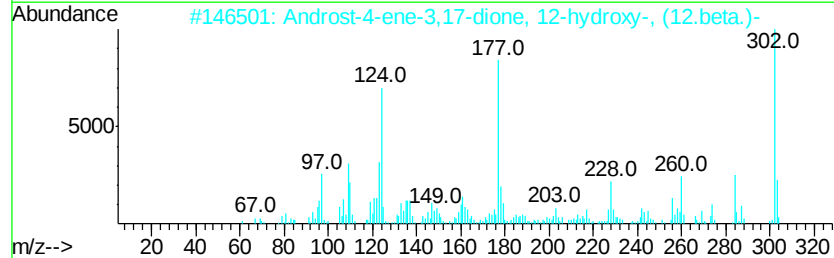
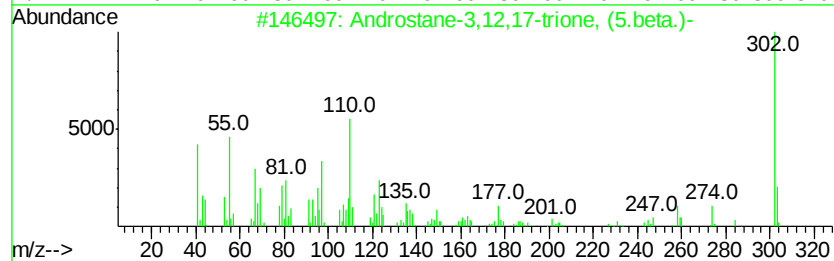
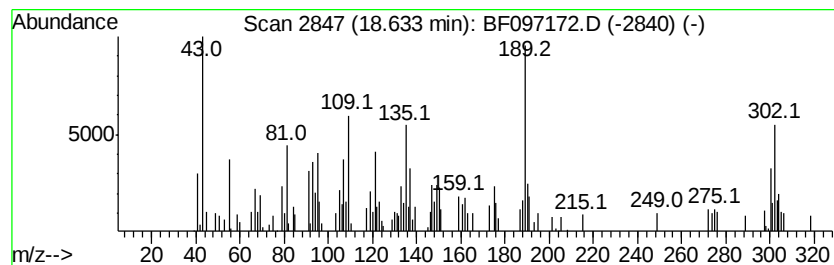
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 unknown18.63 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.63	10.97 ng	256386	Perylene-d12	14.96

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Androstane-3,12,17-trione, (5.be...	302	C19H26O3	053604-37-8	18
2		Androst-4-ene-3,17-dione, 12-hyd...	302	C19H26O3	053604-49-2	14
3		1,4-Diaminonaphthalene, N,N'-bis...	302	C16H26N2Si2	1000364-87-6	14
4		4H-1-Benzopyran-4-one, 2-(3,4-di...	464	C21H20O12	000482-36-0	14
5		2-Phenyl-5-thiophen-2-yl-3H-benz...	303	C18H13N3S	1000310-46-7	14



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 ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.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
2-Pentanone, 4-hy...	4.63	29.5	ng	959268	1	6.49	649763	20.0
unknown6.26	6.26	78.7	ng	2557260	1	6.49	649763	20.0
Naphtho[2,1-b]thi...	10.89	5.4	ng	158530	4	10.99	589665	20.0
Anthracene, 1-met...	11.49	6.7	ng	198638	4	10.99	589665	20.0
Phenanthrene, 2-m...	11.52	8.2	ng	243066	4	10.99	589665	20.0
4H-Cyclopenta[def...	11.60	12.4	ng	366739	4	10.99	589665	20.0
Naphthalene, 2-ph...	11.78	4.2	ng	124533	4	10.99	589665	20.0
5,12-Naphthacened...	14.31	6.5	ng	151813	6	14.96	467452	20.0
9H-Fluorene, 9-(p...	14.47	5.8	ng	135702	6	14.96	467452	20.0
Dinaphtho[1,2-b:1...	14.79	5.8	ng	134999	6	14.96	467452	20.0
Perylene	14.86	26.9	ng	629897	6	14.96	467452	20.0
Perylene, 3-methyl-	15.15	5.6	ng	130013	6	14.96	467452	20.0
unknown17.49	17.49	7.0	ng	162593	6	14.96	467452	20.0
2-Isopropenyl-4a,...	17.82	18.4	ng	430498	6	14.96	467452	20.0
Dibenz(a,e)aceant...	18.39	7.6	ng	178306	6	14.96	467452	20.0
unknown18.52	18.52	14.8	ng	346445	6	14.96	467452	20.0
unknown18.63	18.63	11.0	ng	256386	6	14.96	467452	20.0