

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF111918\
 Data File : BF110855.D
 Acq On : 19 Nov 2018 16:12
 Operator : JU/SJ
 Sample : J5989-01 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ES-RO-343

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-BF110818.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	2.210	17	21	38	rVB	52633	105800	11.44%	0.594%
2	5.163	519	523	536	rBV	46577	68769	7.44%	0.386%
3	5.557	587	590	616	rVB	600387	739730	80.01%	4.156%
4	5.787	625	629	640	rVB4	15049	26636	2.88%	0.150%
5	6.563	758	761	774	rBV	731816	840791	90.94%	4.724%
6	6.710	782	786	792	rBV	1010287	837124	90.54%	4.704%
7	6.775	792	797	802	rVV3	32596	62249	6.73%	0.350%
8	6.939	822	825	831	rBV	472438	393507	42.56%	2.211%
9	7.092	848	851	864	rBV	674870	661451	71.54%	3.717%
10	7.204	867	870	876	rBV	44641	57086	6.17%	0.321%
11	7.504	918	921	928	rBV	473954	511840	55.36%	2.876%
12	7.798	968	971	979	rVB	52681	63147	6.83%	0.355%
13	7.975	995	1001	1004	rBV2	22916	35019	3.79%	0.197%
14	8.016	1007	1008	1017	rVB	25155	28505	3.08%	0.160%
15	8.222	1040	1043	1046	rBV	541442	494351	53.47%	2.778%
16	8.433	1076	1079	1086	rVB	68681	64456	6.97%	0.362%
17	8.492	1086	1089	1097	rBV	72760	82690	8.94%	0.465%
18	8.933	1160	1164	1171	rBV2	91445	117988	12.76%	0.663%
19	8.986	1171	1173	1178	rVV	24001	20886	2.26%	0.117%
20	9.033	1178	1181	1190	rVB2	36608	45883	4.96%	0.258%
21	9.104	1190	1193	1197	rBV	20202	19451	2.10%	0.109%
22	9.216	1208	1212	1222	rBV2	26708	30733	3.32%	0.173%
23	9.292	1222	1225	1234	rVV	1066152	922942	99.83%	5.186%
24	9.569	1269	1272	1274	rBV	18413	21410	2.32%	0.120%
25	9.598	1274	1277	1280	rVB3	18753	20936	2.26%	0.118%
26	9.639	1280	1284	1286	rBV	33765	35910	3.88%	0.202%
27	9.669	1286	1289	1290	rBV2	19065	20223	2.19%	0.114%
28	9.686	1290	1292	1301	rVB	94768	105019	11.36%	0.590%
29	9.845	1316	1319	1324	rBV2	61345	59350	6.42%	0.333%
30	9.886	1324	1326	1329	rVB3	23509	21020	2.27%	0.118%
31	9.980	1339	1342	1346	rVV2	553202	499989	54.08%	2.809%
32	10.016	1346	1348	1354	rVB	85165	79295	8.58%	0.446%
33	10.139	1365	1369	1373	rVV3	14183	21024	2.27%	0.118%
34	10.192	1373	1378	1380	rVV2	35903	51502	5.57%	0.289%

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Integrator: RTE

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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.222	1380	1383	1386	rVB2	25135	26020	2.81%	0.146%
36	10.292	1392	1395	1398	rBV	24471	27932	3.02%	0.157%
37	10.327	1398	1401	1407	rVB4	23549	25011	2.71%	0.141%
38	10.386	1407	1411	1413	rBV3	30746	34441	3.73%	0.194%
39	10.533	1432	1436	1441	rVB	98283	93486	10.11%	0.525%
40	10.598	1441	1447	1448	rBV	25688	34626	3.75%	0.195%
41	10.686	1460	1462	1466	rVB2	28645	27723	3.00%	0.156%
42	10.774	1473	1477	1483	rBV2	355827	371386	40.17%	2.087%
43	10.874	1490	1494	1496	rBV3	21288	28975	3.13%	0.163%
44	11.080	1523	1529	1532	rBV2	46174	69396	7.51%	0.390%
45	11.110	1532	1534	1537	rVV	32245	26092	2.82%	0.147%
46	11.163	1540	1543	1546	rVB2	26710	21163	2.29%	0.119%
47	11.204	1546	1550	1552	rBV5	15390	21192	2.29%	0.119%
48	11.374	1576	1579	1581	rBV	52663	46139	4.99%	0.259%
49	11.474	1593	1596	1598	rBV	435758	409249	44.26%	2.299%
50	11.504	1598	1601	1605	rVV	667781	585730	63.35%	3.291%
51	11.557	1606	1610	1612	rVV	156275	150175	16.24%	0.844%
52	11.580	1612	1614	1618	rVB2	32165	38272	4.14%	0.215%
53	11.698	1631	1634	1635	rBV	48412	42280	4.57%	0.238%
54	11.763	1643	1645	1648	rVB2	27408	19605	2.12%	0.110%
55	11.816	1651	1654	1658	rVB2	39431	43754	4.73%	0.246%
56	11.869	1660	1663	1664	rBV	34936	30237	3.27%	0.170%
57	11.980	1678	1682	1684	rBV2	178402	186790	20.20%	1.050%
58	12.010	1684	1687	1692	rVB	171121	161652	17.48%	0.908%
59	12.057	1692	1695	1698	rBV	71390	65484	7.08%	0.368%
60	12.092	1698	1701	1704	rBV2	224888	272911	29.52%	1.533%
61	12.116	1704	1705	1710	rVB2	92979	54906	5.94%	0.309%
62	12.274	1729	1732	1736	rVV	78111	81202	8.78%	0.456%
63	12.316	1736	1739	1742	rVB4	48283	53158	5.75%	0.299%
64	12.421	1755	1757	1760	rVB	35532	31067	3.36%	0.175%
65	12.457	1760	1763	1765	rVB	48580	39827	4.31%	0.224%
66	12.480	1765	1767	1773	rVB3	29815	26599	2.88%	0.149%
67	12.533	1773	1776	1778	rBV	122594	128077	13.85%	0.720%
68	12.616	1787	1790	1791	rBV3	40127	35243	3.81%	0.198%
69	12.698	1800	1804	1807	rBV	966567	874982	94.64%	4.916%
70	12.721	1807	1808	1812	rVB2	70590	57433	6.21%	0.323%
71	12.763	1812	1815	1818	rBV4	30505	37085	4.01%	0.208%

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

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72	12.798	1818	1821	1826	rVB3	35512	42751	4.62%	0.240%
73	12.851	1826	1830	1832	rBV3	51513	66634	7.21%	0.374%
74	12.910	1837	1840	1841	rVV2	165286	159853	17.29%	0.898%
75	12.933	1841	1844	1849	rVV	908733	844131	91.30%	4.743%
76	12.974	1849	1851	1855	rVB	56615	62289	6.74%	0.350%
77	13.057	1861	1865	1868	rBV	874846	726703	78.60%	4.083%
78	13.145	1876	1880	1885	rBV3	81610	133271	14.41%	0.749%
79	13.257	1891	1899	1902	rBV	186775	265201	28.68%	1.490%
80	13.321	1907	1910	1913	rBV	144126	108096	11.69%	0.607%
81	13.363	1913	1917	1920	rBV2	111880	115866	12.53%	0.651%
82	13.457	1930	1933	1935	rBV2	87353	82146	8.88%	0.462%
83	13.486	1935	1938	1941	rVV	87959	87752	9.49%	0.493%
84	13.527	1942	1945	1950	rVB	195838	184264	19.93%	1.035%
85	13.657	1965	1967	1969	rBV2	32158	31238	3.38%	0.176%
86	13.774	1984	1987	1990	rVB2	60121	61969	6.70%	0.348%
87	13.880	2003	2005	2007	rBV	83361	70123	7.58%	0.394%
88	13.904	2007	2009	2011	rVV	94757	72792	7.87%	0.409%
89	13.933	2011	2014	2020	rVV3	116199	147225	15.92%	0.827%
90	14.127	2043	2047	2050	rBV2	631840	924549	100.00%	5.195%
91	14.157	2050	2052	2059	rVB	451159	402821	43.57%	2.263%
92	14.239	2064	2066	2072	rBV2	84060	103432	11.19%	0.581%
93	14.515	2111	2113	2116	rVB	85889	73869	7.99%	0.415%
94	14.551	2117	2119	2123	rBV	78744	81034	8.76%	0.455%
95	14.645	2133	2135	2137	rBV	52828	48628	5.26%	0.273%
96	15.215	2227	2232	2238	rBV	257470	547042	59.17%	3.074%
97	15.533	2282	2286	2289	rBV	148369	178971	19.36%	1.006%
98	15.598	2294	2297	2304	rVB	226863	311900	33.74%	1.753%
99	15.662	2304	2308	2311	rBV	203563	244972	26.50%	1.376%
100	17.245	2573	2577	2586	rVB2	84801	171850	18.59%	0.966%

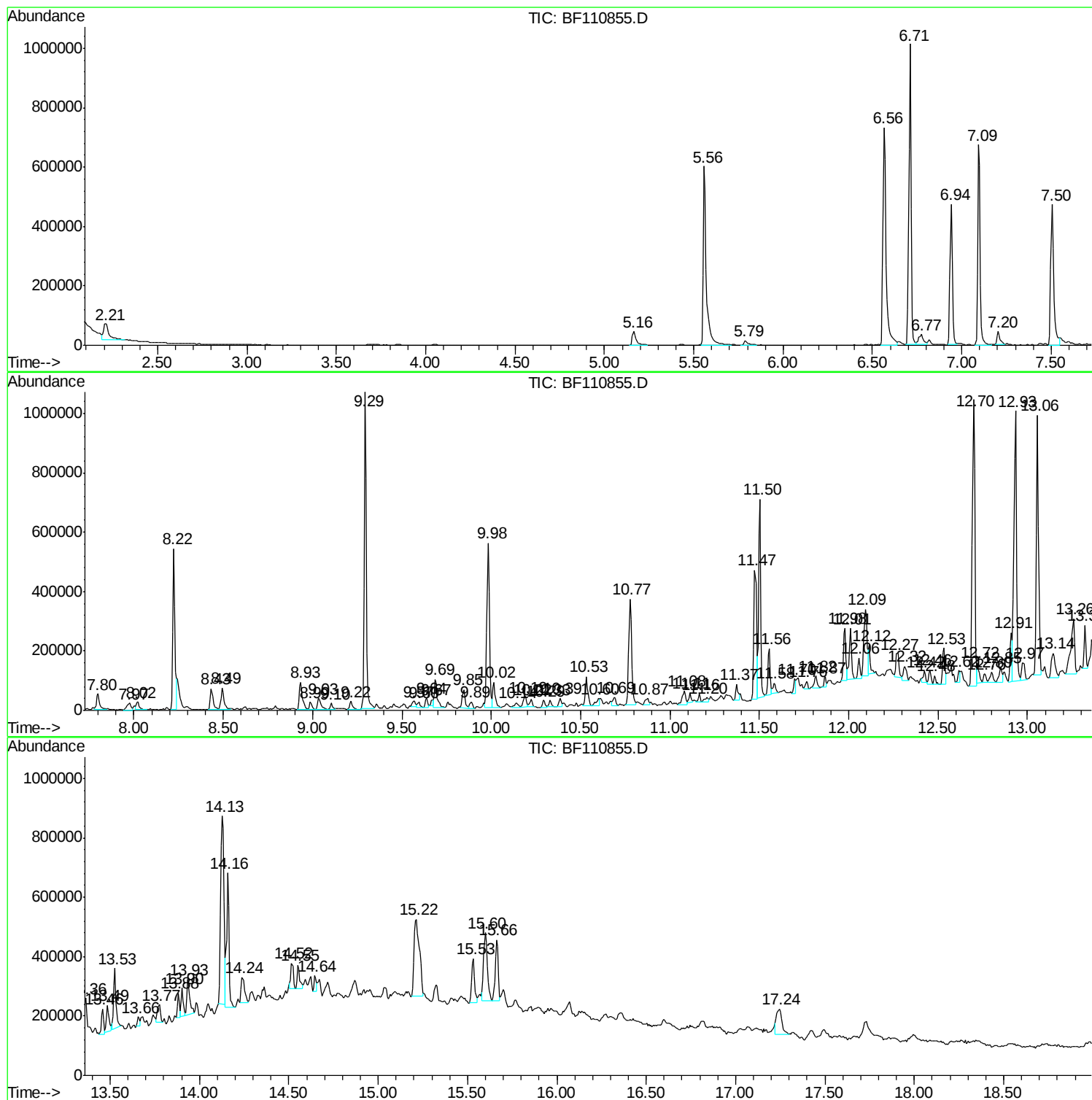
Sum of corrected areas: 17797384

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.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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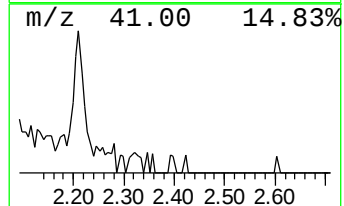
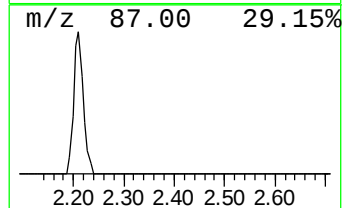
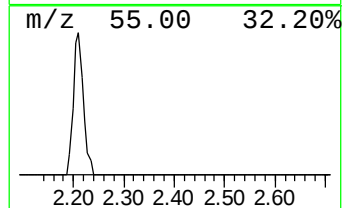
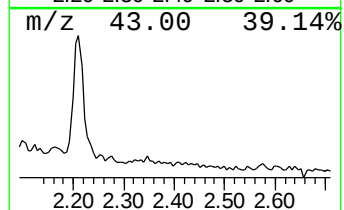
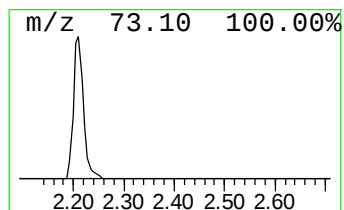
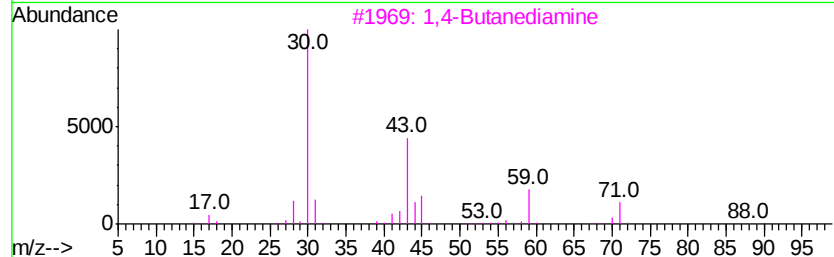
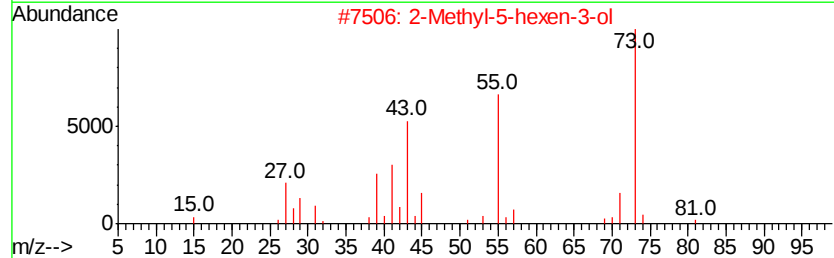
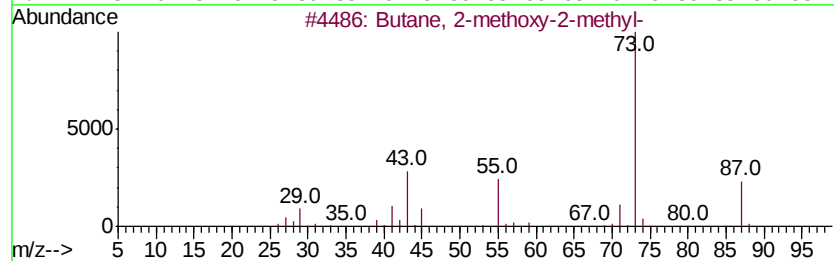
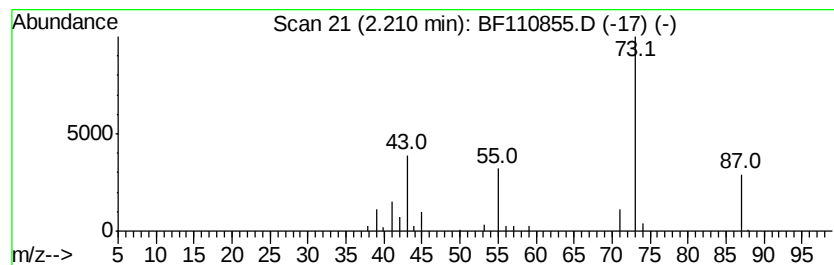
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.21	5.38 ng	105800	1,4-Dichlorobenzene-d4	6.94

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2			2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	25
3			1,4-Butanediamine	88	C4H12N2	000110-60-1	12
4			N-Ethylformamide	73	C3H7NO	000627-45-2	9
5			Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9



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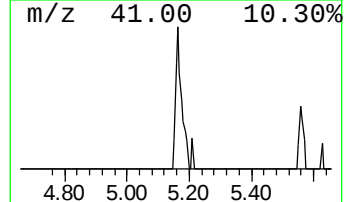
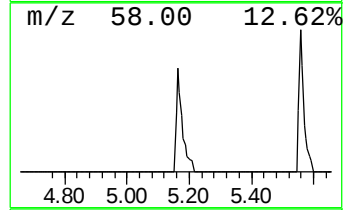
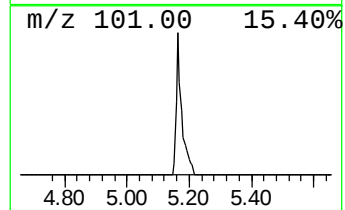
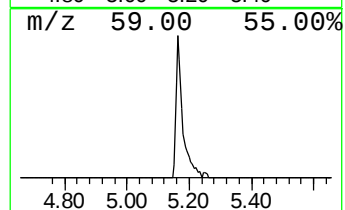
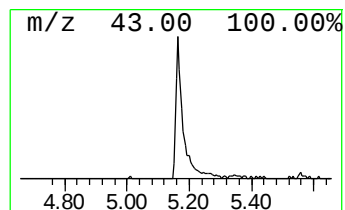
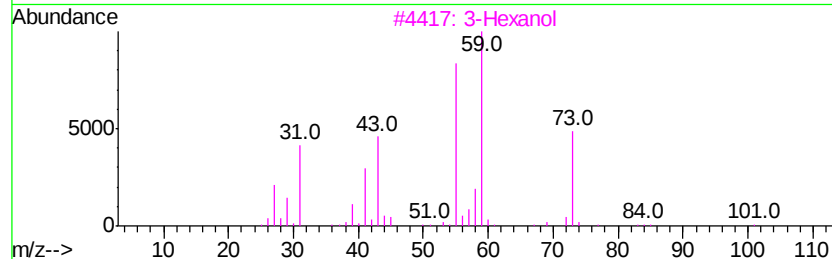
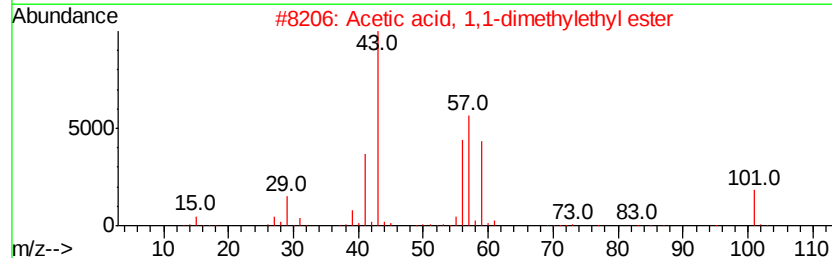
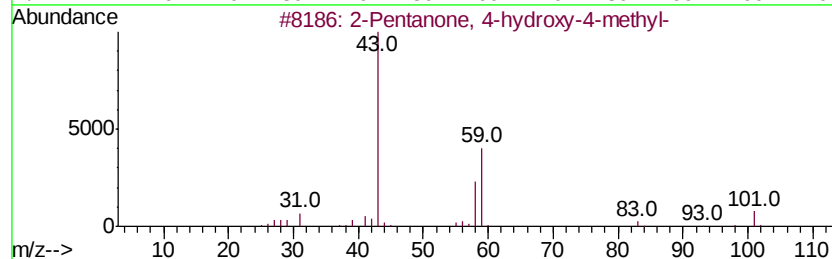
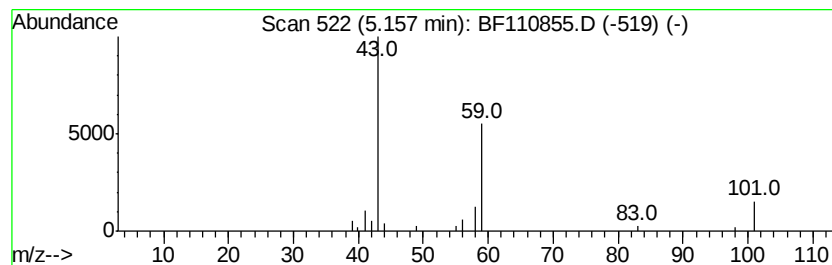
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.16	3.50 ng	68769	1,4-Dichlorobenzene-d4	6.94

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2			Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3			3-Hexanol	102	C6H14O	000623-37-0	28
4			2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5			3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	9



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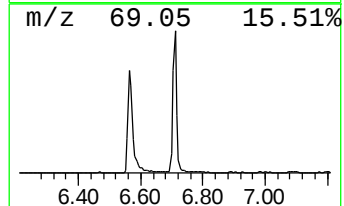
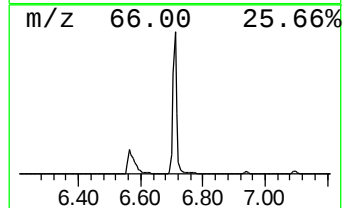
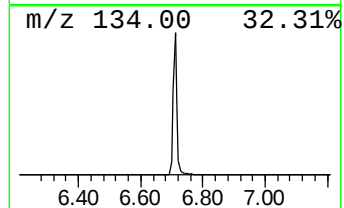
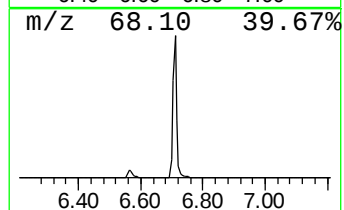
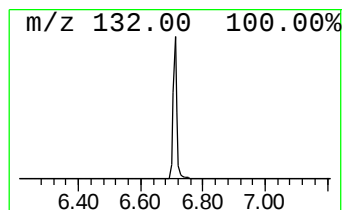
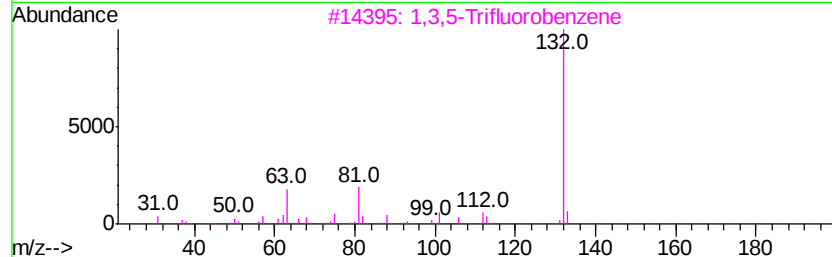
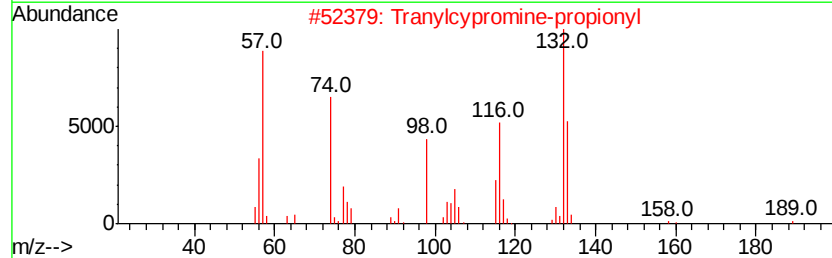
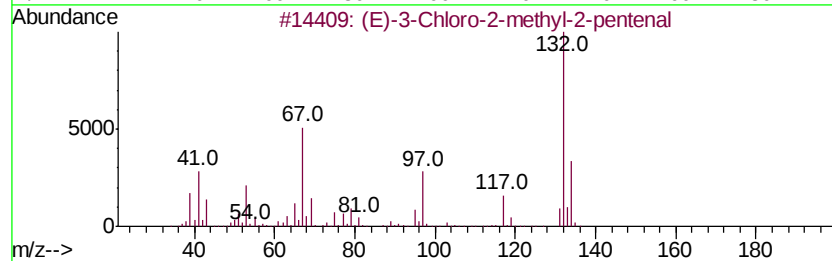
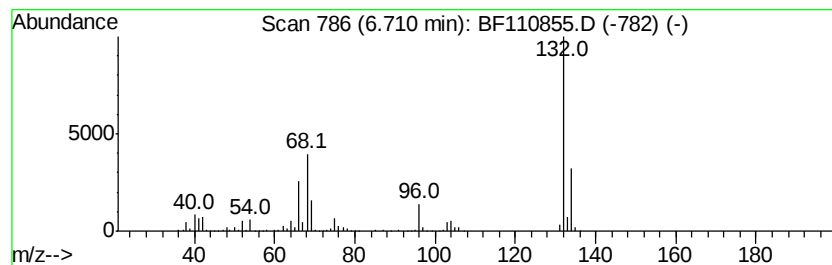
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 unknown6.71 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.71	42.55 ng	837124	1,4-Dichlorobenzene-d4	6.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
2		Tranlycypromine-propionyl	189	C12H15NO	1000123-86-3	12
3		1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
4		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5		Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111918\
Data File : BF110855.D
Acq On : 19 Nov 2018 16:12
Operator : JU/SJ
Sample : J5989-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
ES-RO-343

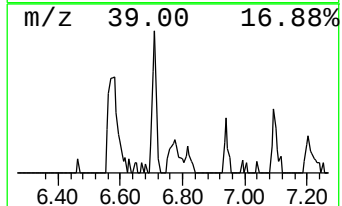
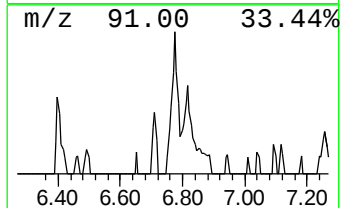
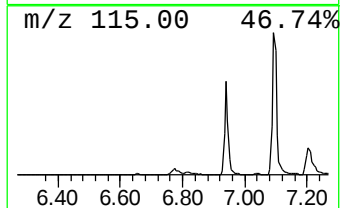
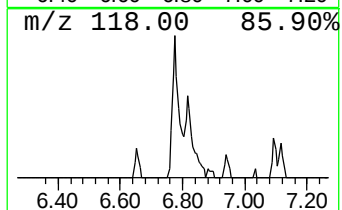
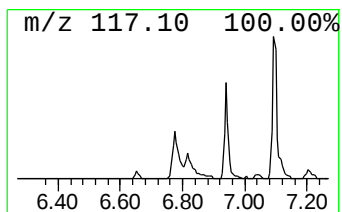
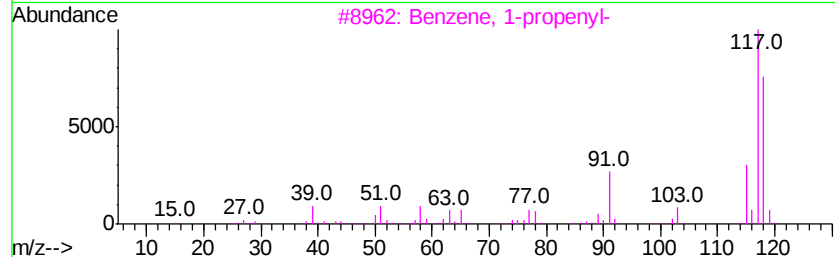
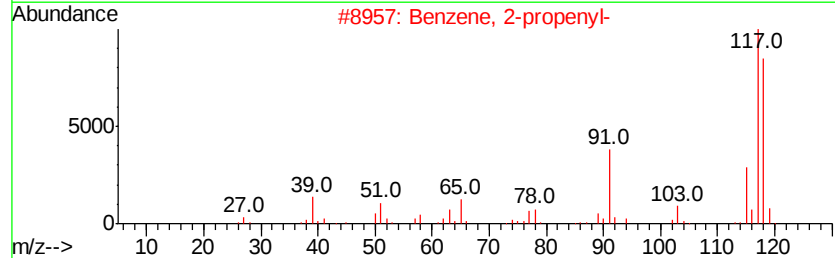
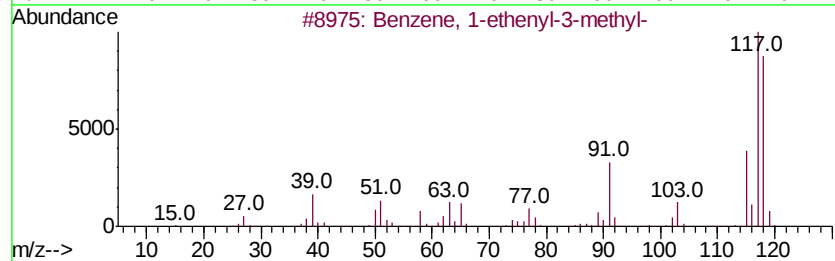
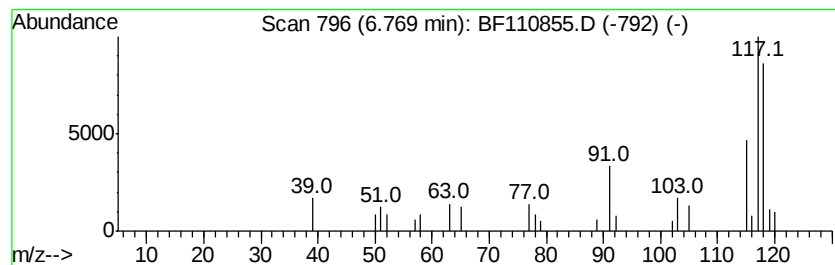
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Benzene, 1-ethenyl-3-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.77	3.16 ng	62249	1,4-Dichlorobenzene-d4	6.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
2		Benzene, 2-propenyl-	118	C9H10	000300-57-2	93
3		Benzene, 1-propenyl-	118	C9H10	000637-50-3	93
4		(Z)-1-Phenylpropene	118	C9H10	000766-90-5	90
5		Benzene, 1,1'-(1-ethenyl-1,3-pro...	222	C17H18	061141-97-7	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111918\
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Sample : J5989-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

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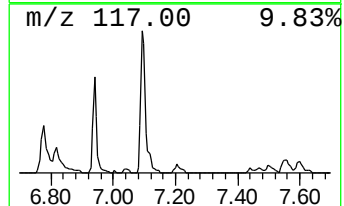
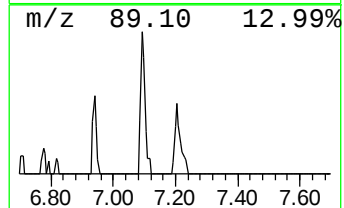
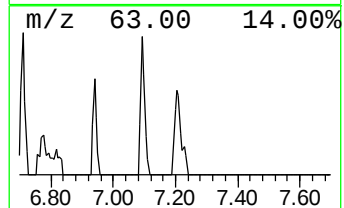
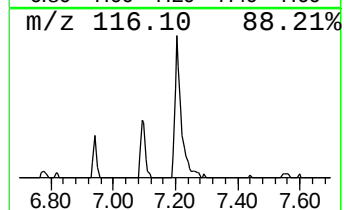
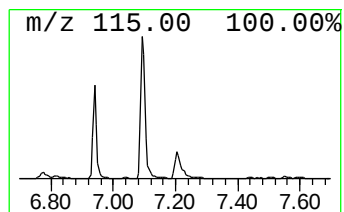
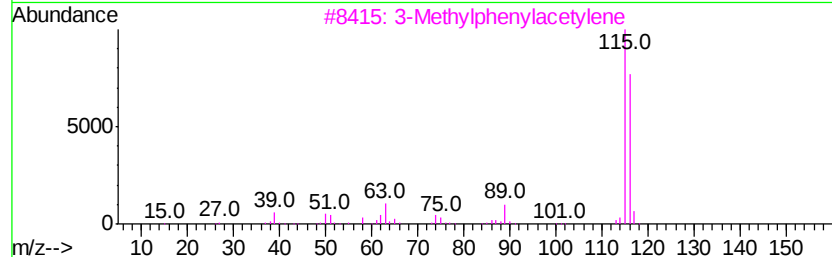
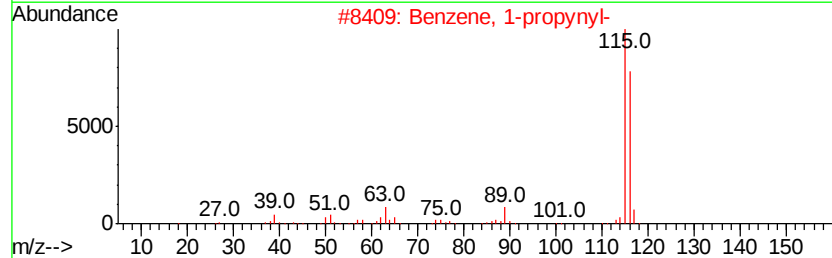
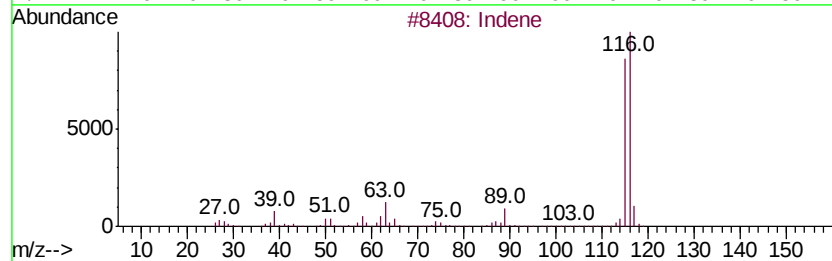
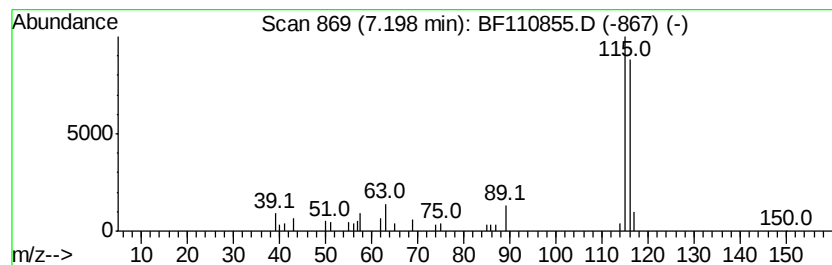
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Indene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.20	2.90 ng	57086	1,4-Dichlorobenzene-d4	6.94

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Indene	116	C9H8	000095-13-6	95
2			Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
3			3-Methylphenylacetylene	116	C9H8	000766-82-5	91
4			Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	86
5			1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111918\
Data File : BF110855.D
Acq On : 19 Nov 2018 16:12
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Misc :
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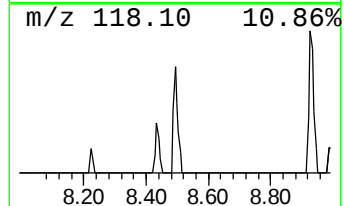
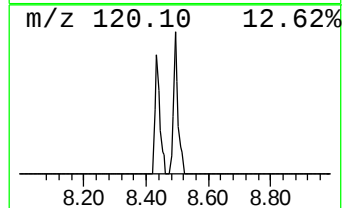
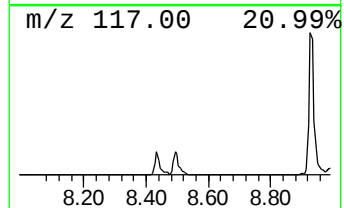
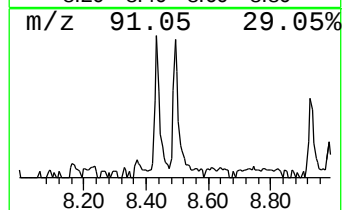
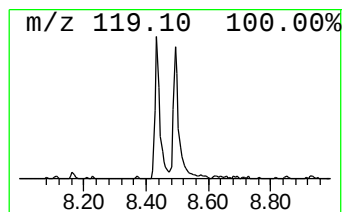
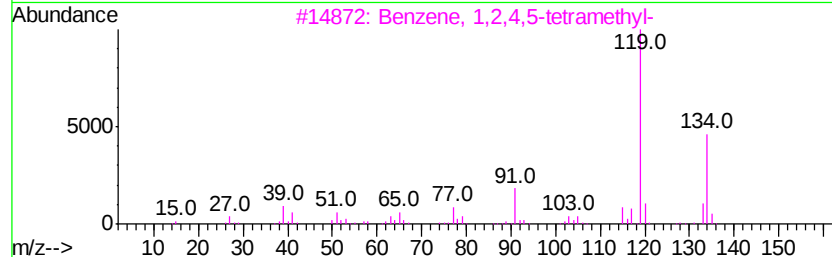
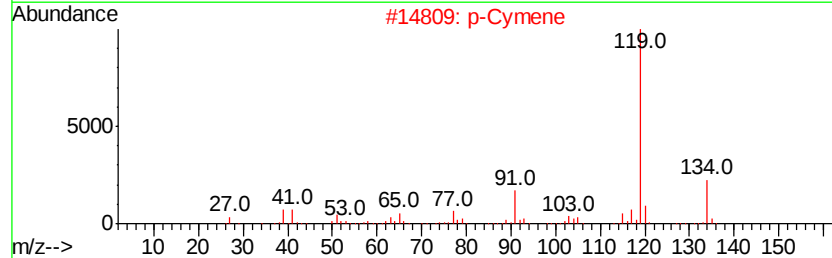
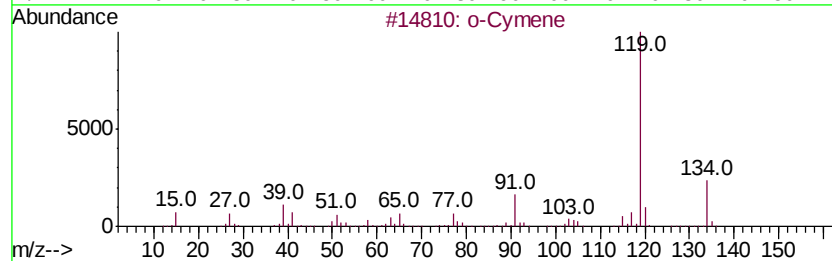
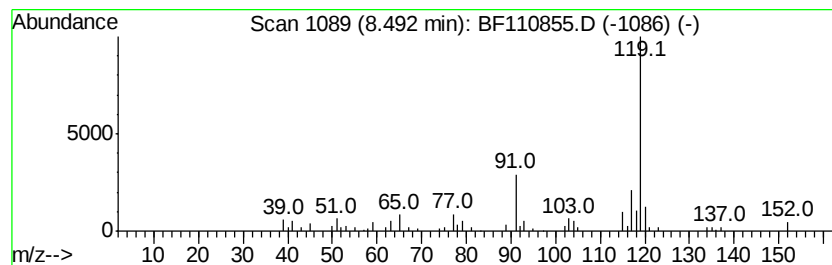
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 o-Cymene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.49	3.35 ng	82690	Naphthalene-d8	8.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	o-Cymene	134	C10H14	000527-84-4	76
2		p-Cymene	134	C10H14	000099-87-6	76
3		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	68
4		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	64
5		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111918\
Data File : BF110855.D
Acq On : 19 Nov 2018 16:12
Operator : JU/SJ
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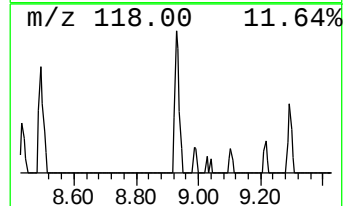
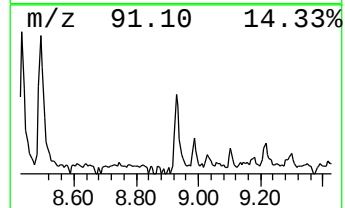
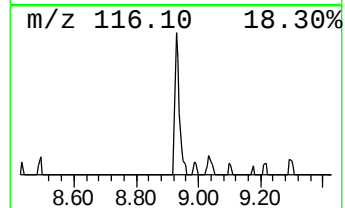
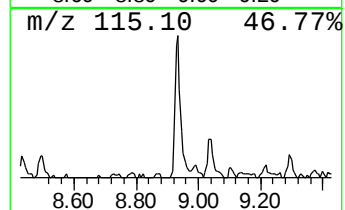
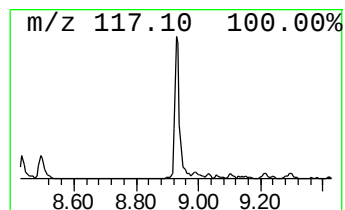
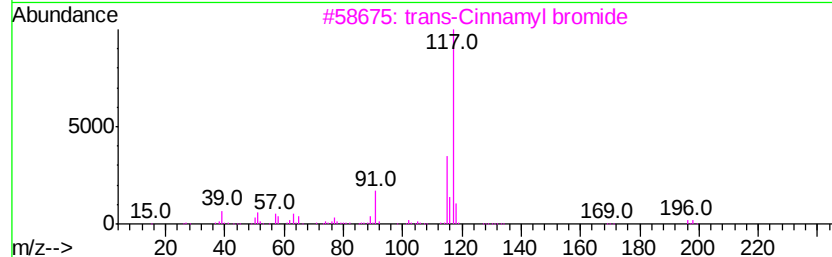
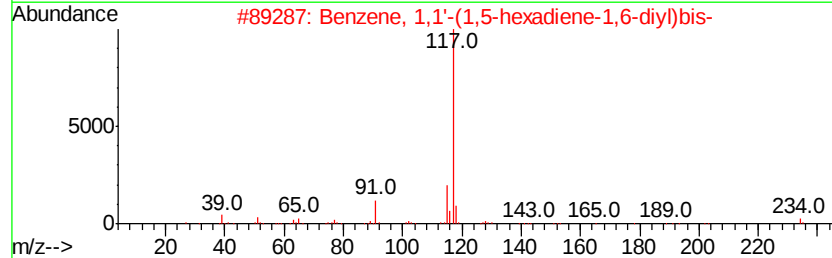
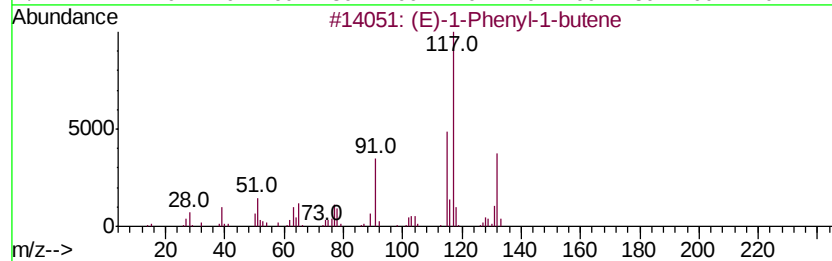
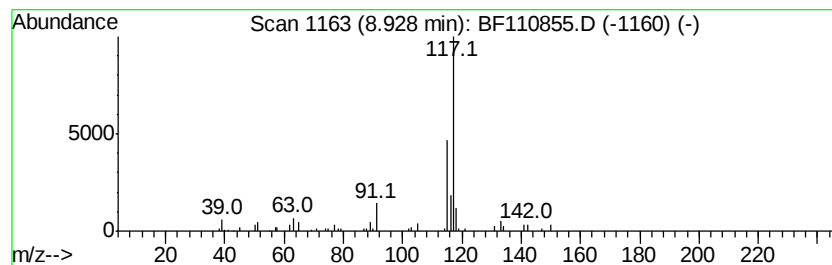
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 (E)-1-Phenyl-1-butene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
8.93	4.77 ng	117988	Naphthalene-d8	8.22	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	53
2	Benzene, 1,1'-(1,5-hexadiene-1,6...	234	C18H18	004439-45-6	50
3	trans-Cinnamyl bromide	196	C9H9Br	026146-77-0	50
4	1H-Indene, 1-ethyl-2,3-dihydro-	146	C11H14	004830-99-3	47
5	Benzaldehyde, 4-(1-phenyl-2-prop...	238	C16H14O2	1000277-56-1	47



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111918\
Data File : BF110855.D
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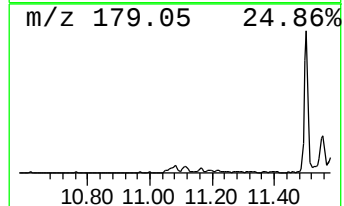
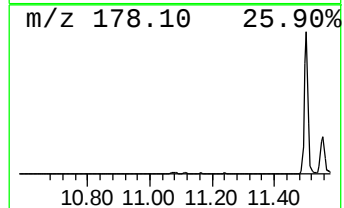
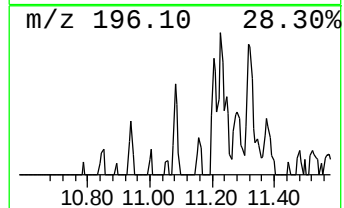
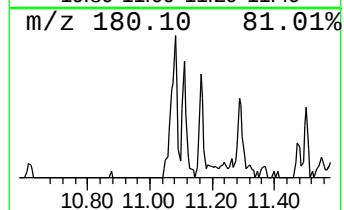
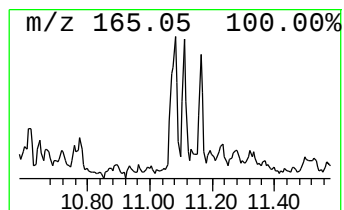
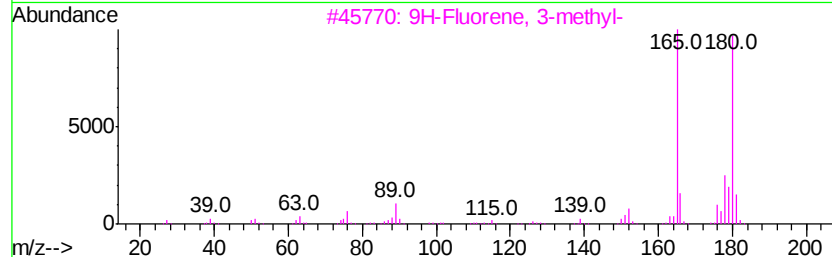
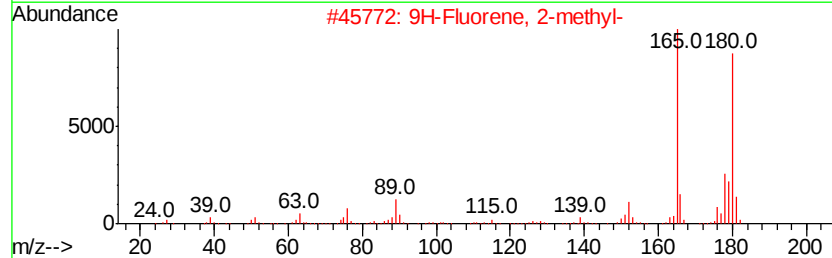
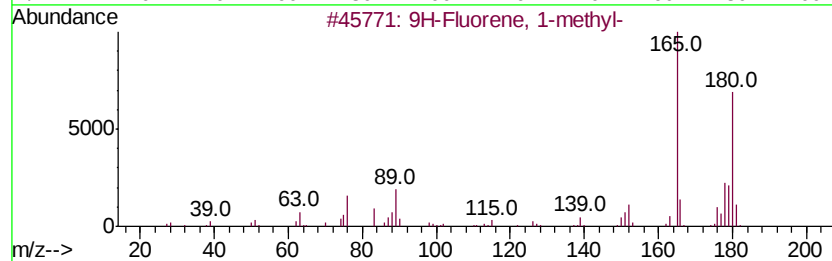
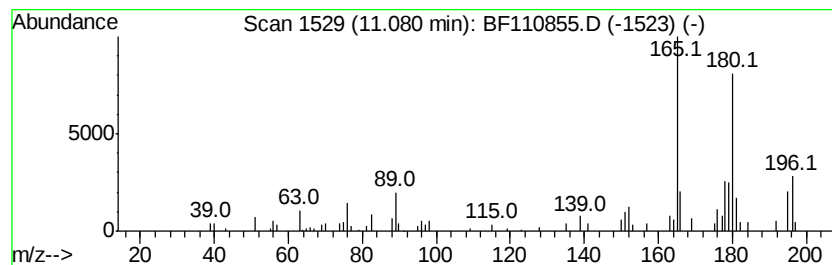
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 9H-Fluorene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.08	3.39 ng	69396	Phenanthrene-d10	11.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2		9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
3		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
4		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	89
5		9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	89



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111918\
Data File : BF110855.D
Acq On : 19 Nov 2018 16:12
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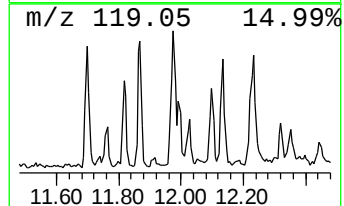
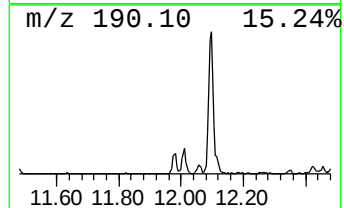
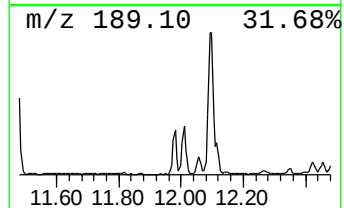
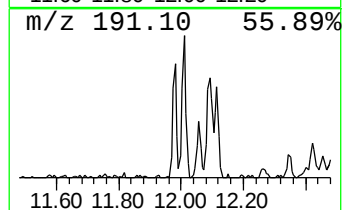
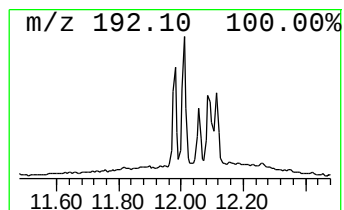
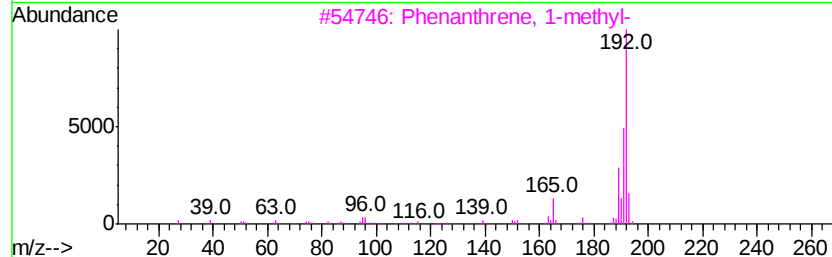
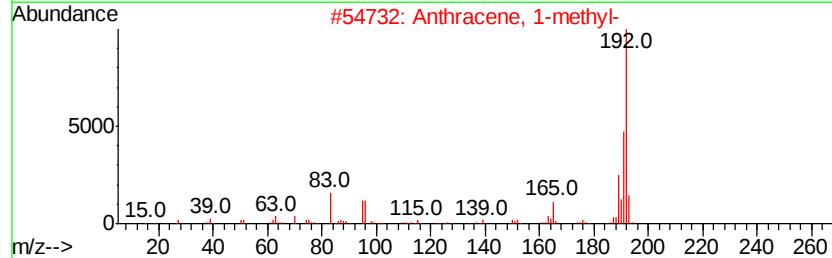
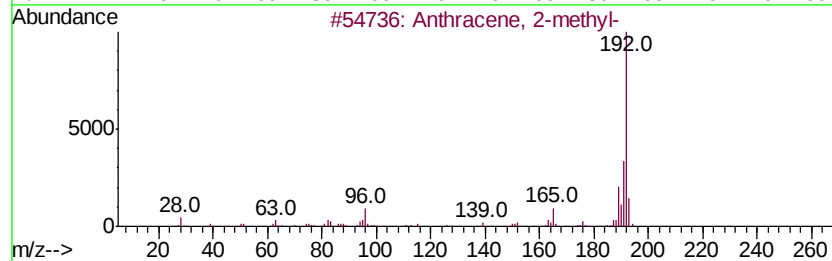
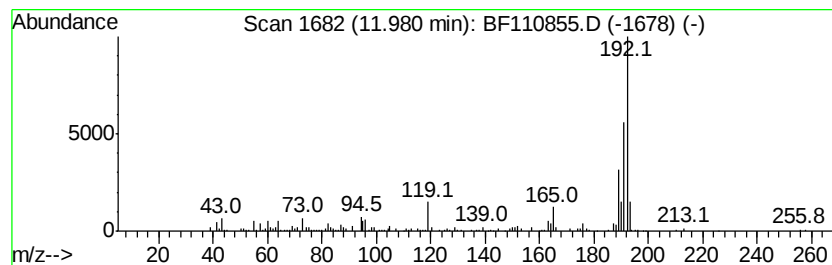
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	9.13 ng	186790	Phenanthrene-d10	11.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2		Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4		1H-Cyclopropa[1,1]phenanthrene, 1a,...	192	C15H12	000949-41-7	93
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111918\
Data File : BF110855.D
Acq On : 19 Nov 2018 16:12
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Misc :
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ClientSampleId :
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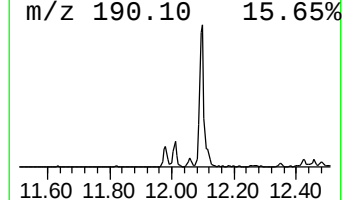
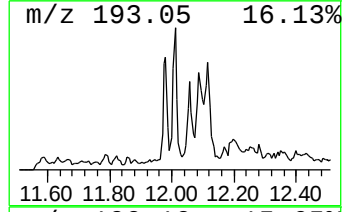
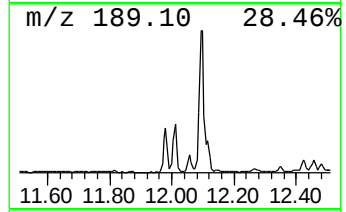
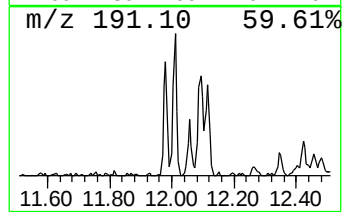
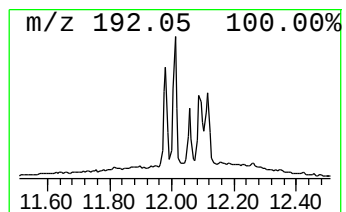
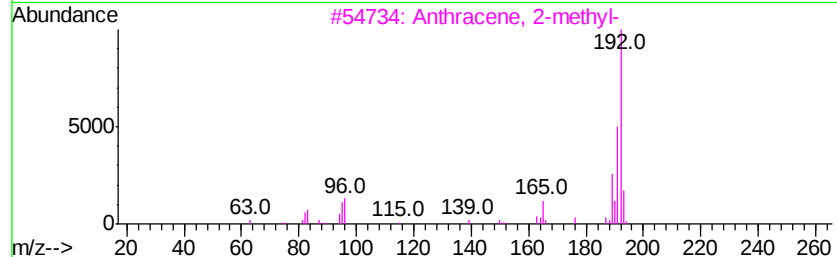
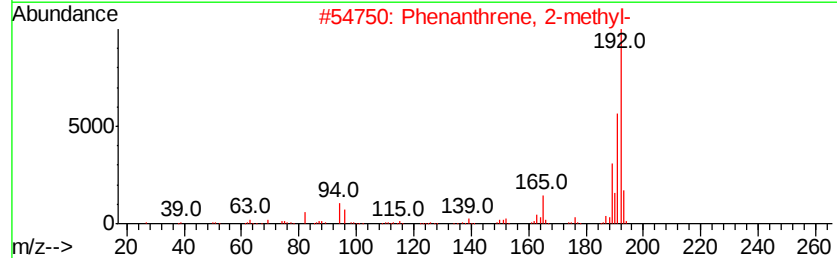
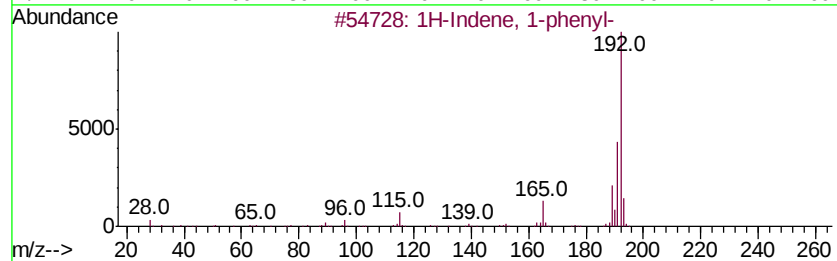
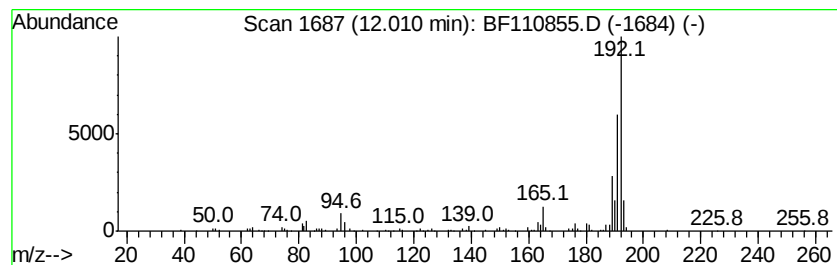
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 1H-Indene, 1-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	7.90 ng	161652	Phenanthrene-d10	11.47

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93
2			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3			Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4			Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5			Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111918\
Data File : BF110855.D
Acq On : 19 Nov 2018 16:12
Operator : JU/SJ
Sample : J5989-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ES-RO-343

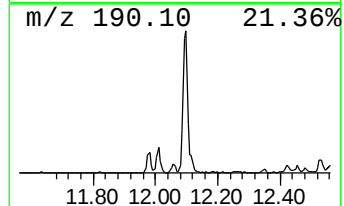
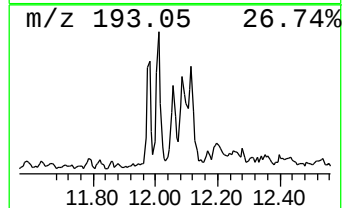
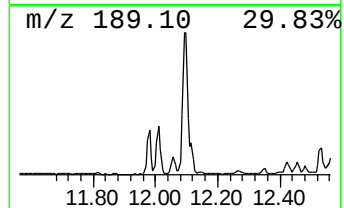
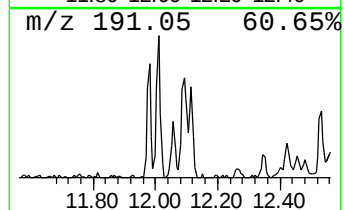
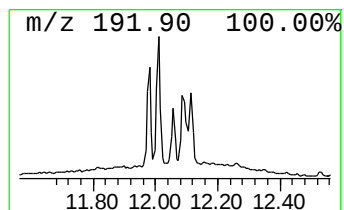
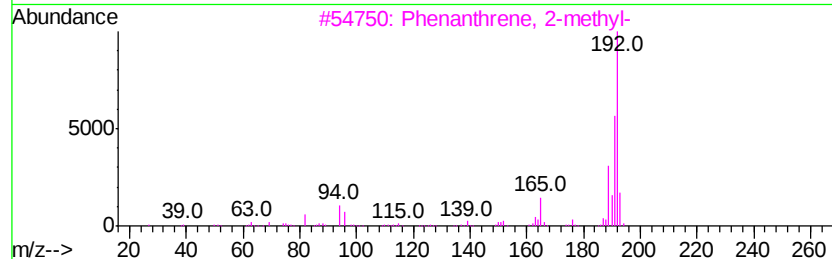
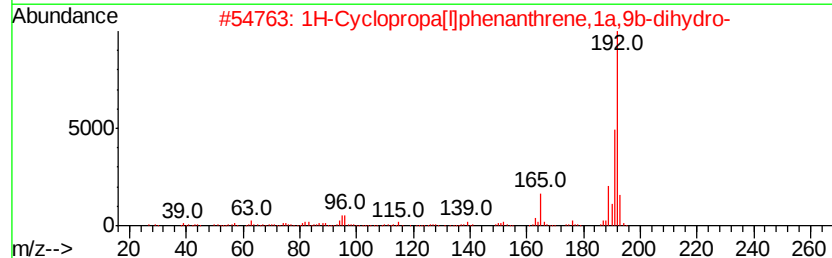
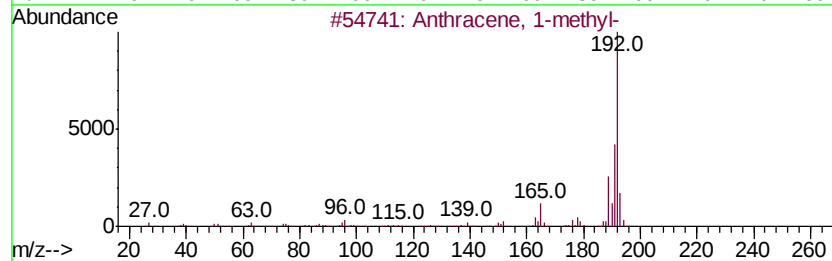
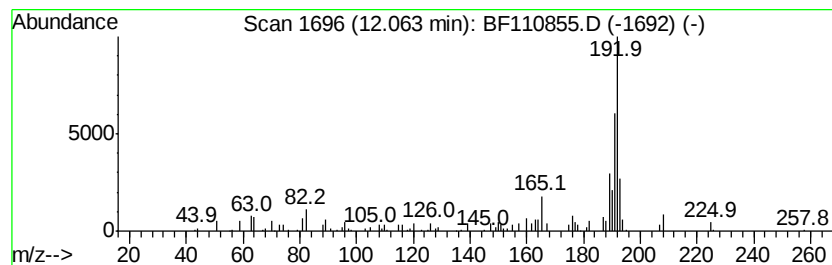
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Anthracene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	3.20 ng	65484	Phenanthrene-d10	11.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
2		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	95
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111918\
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Operator : JU/SJ
Sample : J5989-01 2X
Misc :
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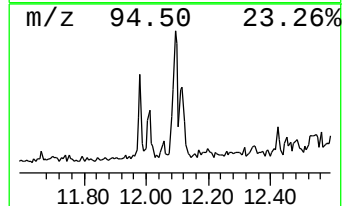
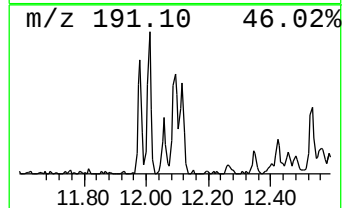
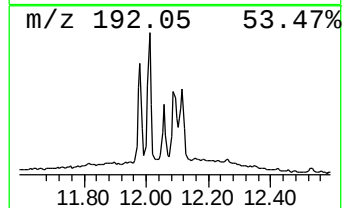
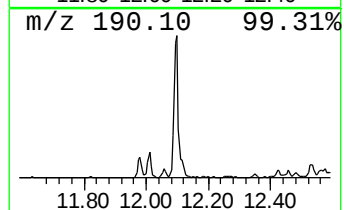
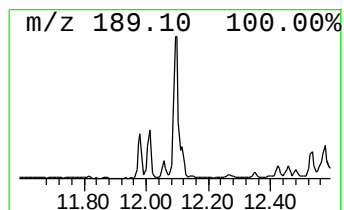
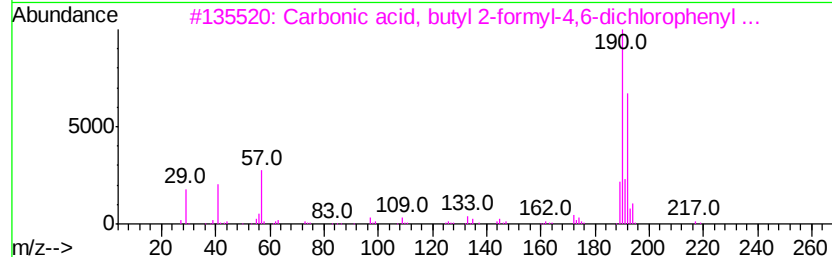
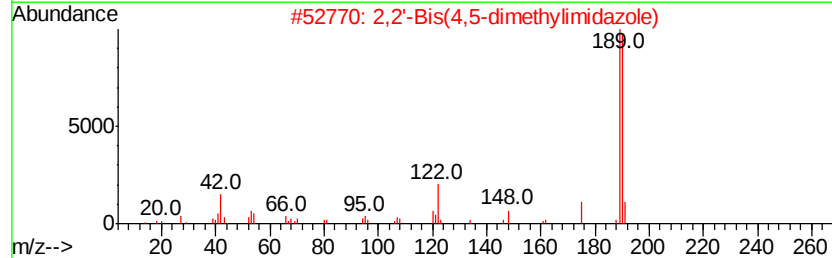
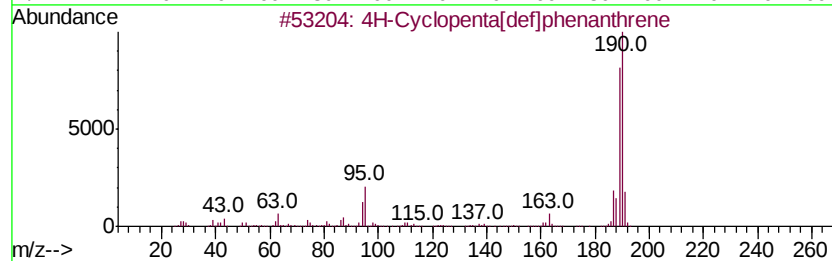
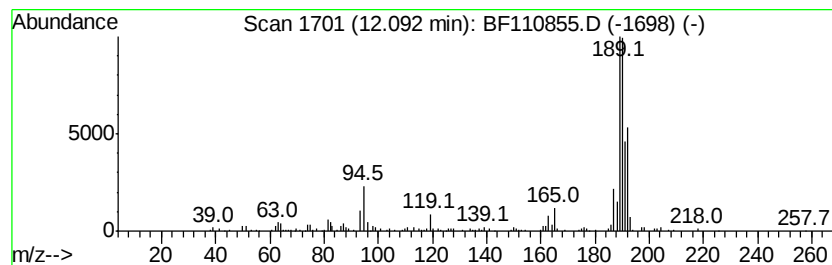
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.09	13.34 ng	272911	Phenanthrene-d10	11.47	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	43
3	Carbonic acid, butyl 2-formyl-4,...	290	C12H12Cl2O4	1000331-42-2	25
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	18
5	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	14



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111918\
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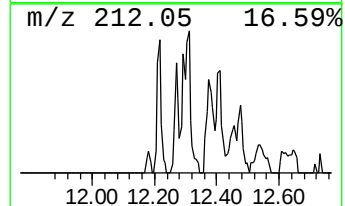
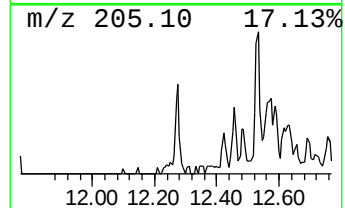
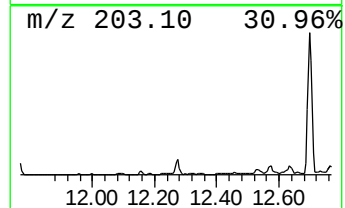
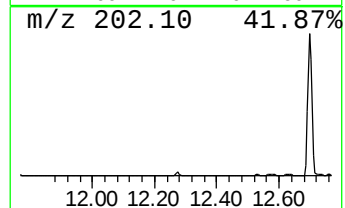
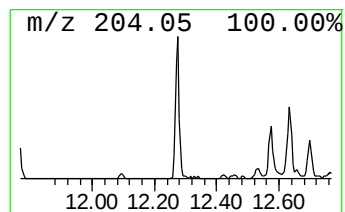
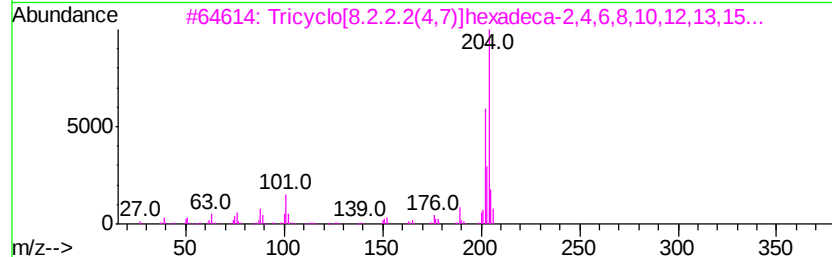
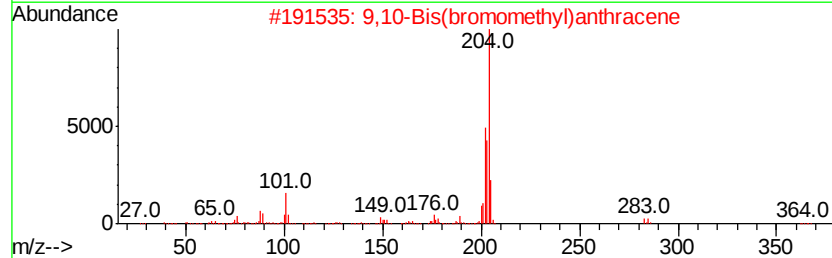
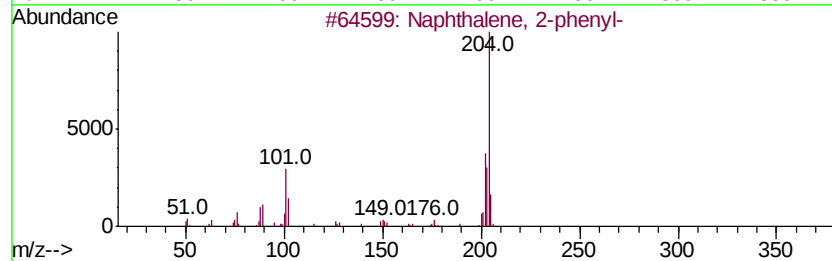
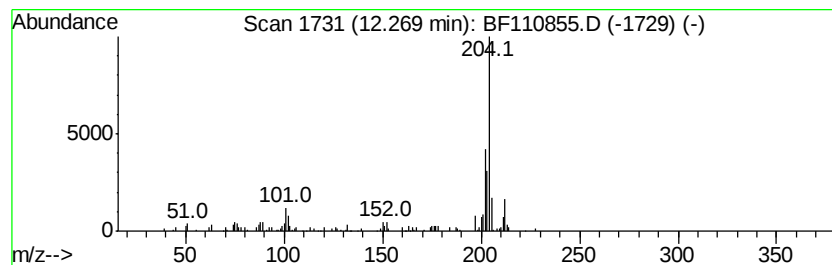
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	3.97 ng	81202	Phenanthrene-d10	11.47

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	83
4		5,16[1',2'1:8,13[1'',2''1-Dibenz...	408	C32H24	005672-97-9	74
5		Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	55



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111918\
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Acq On : 19 Nov 2018 16:12
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Sample : J5989-01 2X
Misc :
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ClientSampleId :
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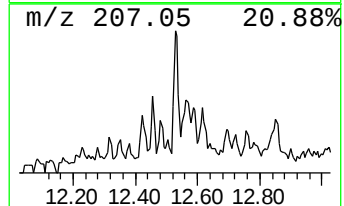
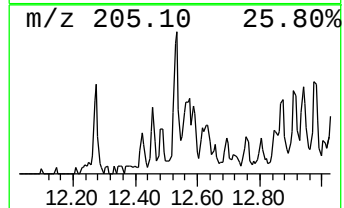
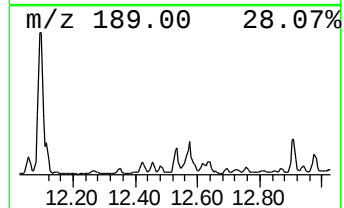
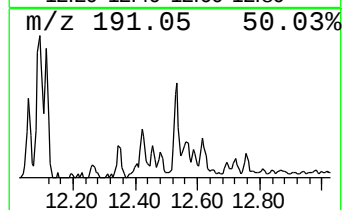
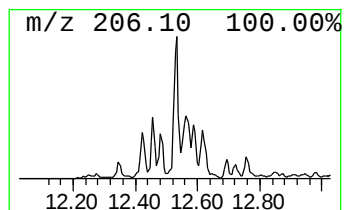
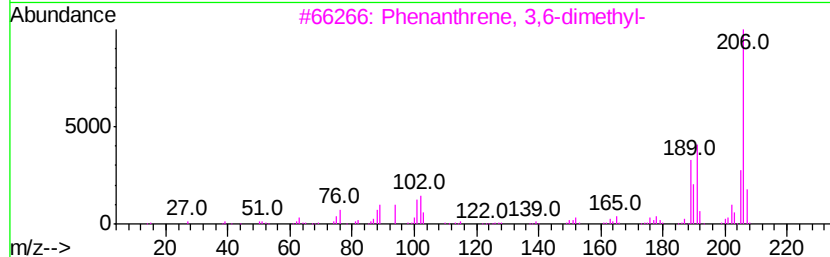
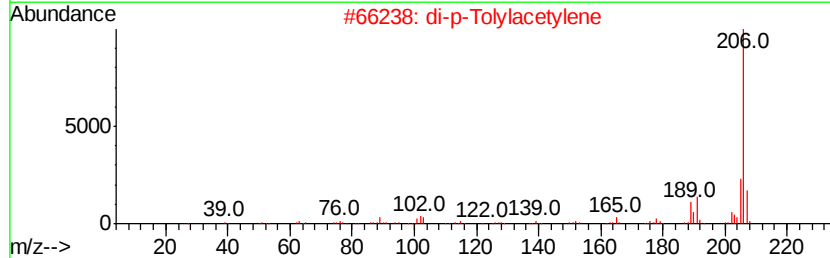
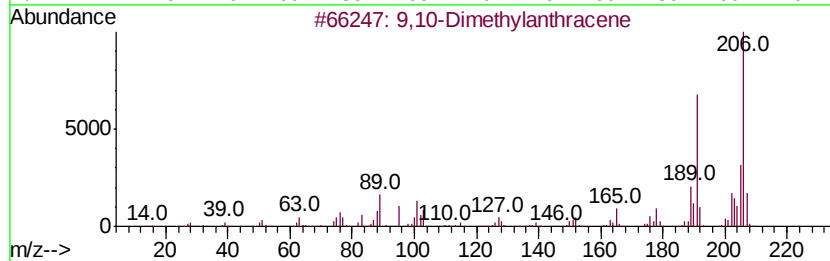
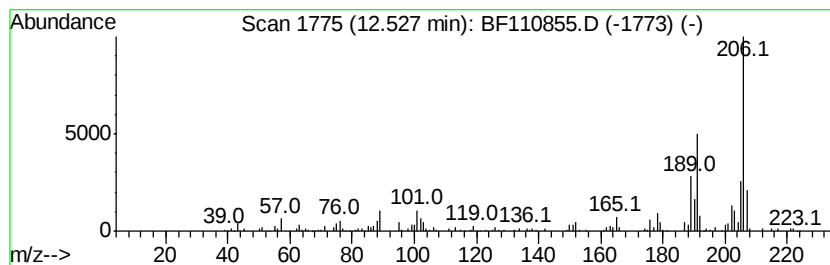
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 9,10-Dimethylantracene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	6.26 ng	128077	Phenanthrene-d10	11.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Dimethylantracene	206	C16H14	000781-43-1	91
2		di-p-Tolylacetylene	206	C16H14	002789-88-0	91
3		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
4		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	87
5		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111918\
Data File : BF110855.D
Acq On : 19 Nov 2018 16:12
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Misc :
ALS Vial : 15 Sample Multiplier: 1

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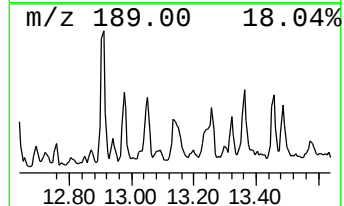
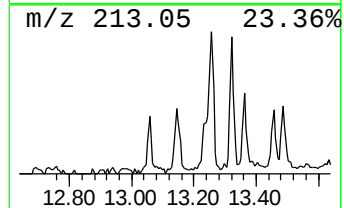
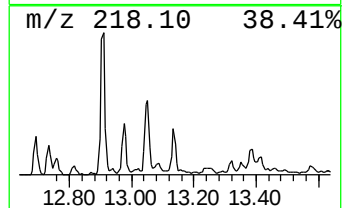
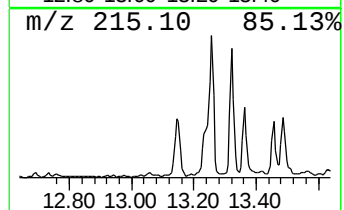
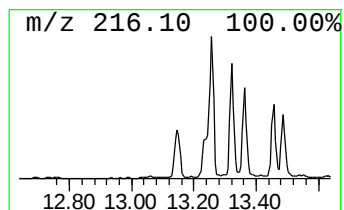
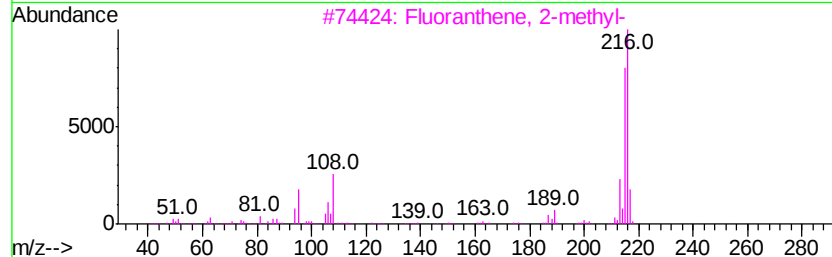
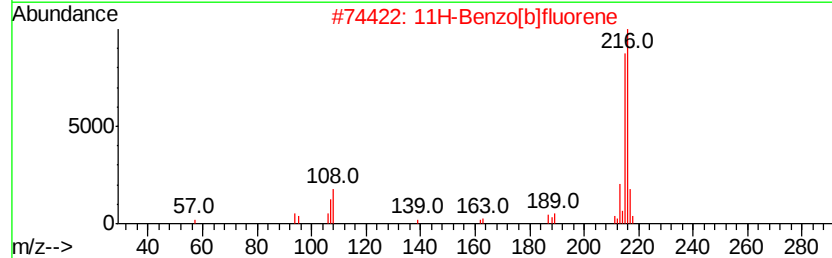
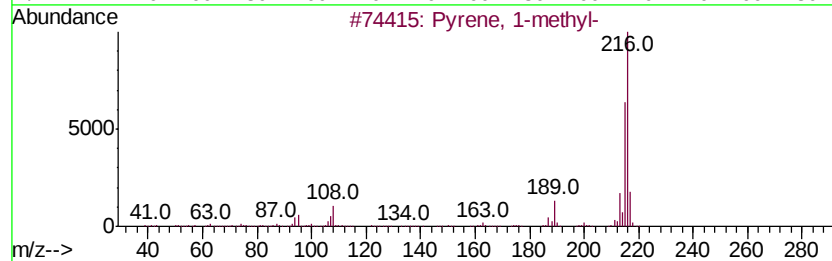
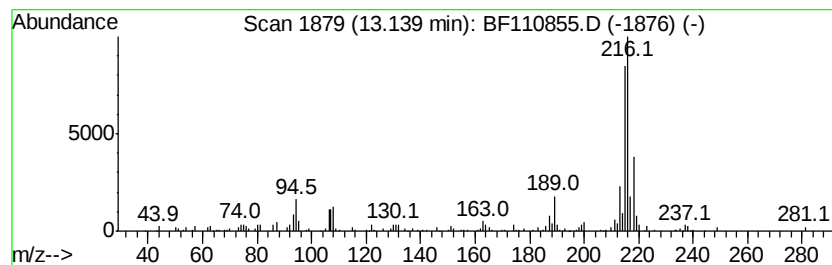
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.14	2.88 ng	133271	Chrysene-d12	14.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
4		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81
5		Pyrene, 2-methyl-	216	C17H12	003442-78-2	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111918\
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Misc :
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ClientSampleId :
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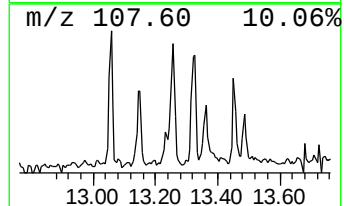
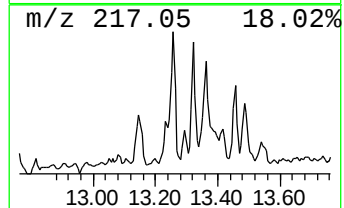
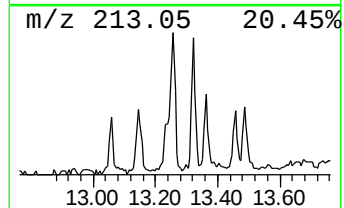
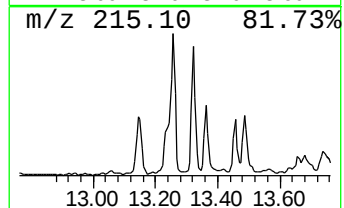
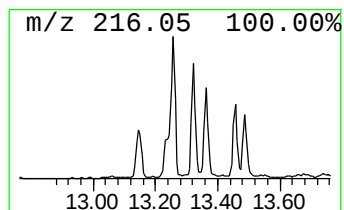
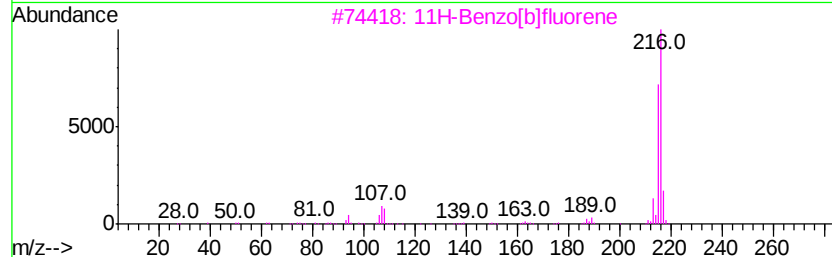
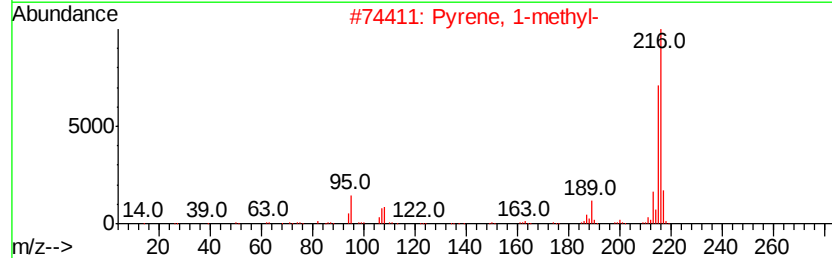
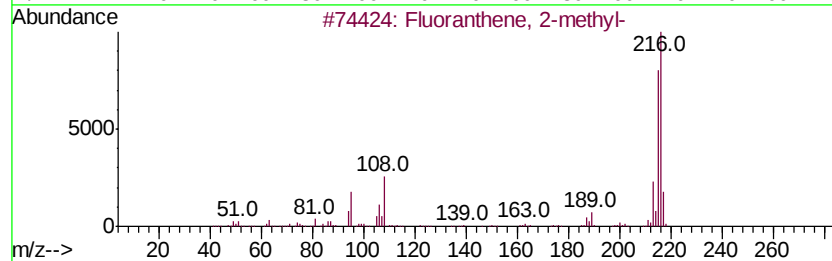
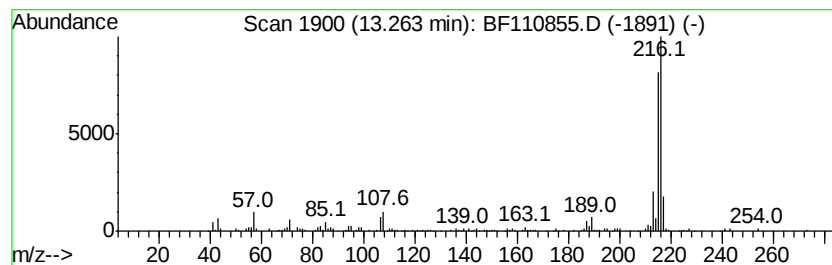
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Fluoranthene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	5.74 ng	265201	Chrysene-d12	14.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
4		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111918\
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Sample : J5989-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
ES-RO-343

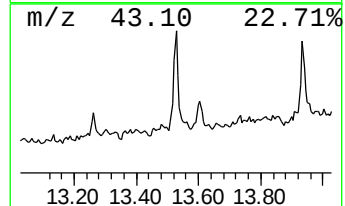
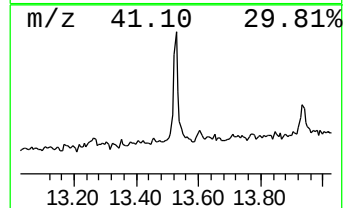
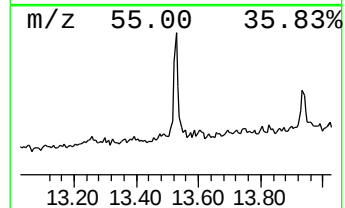
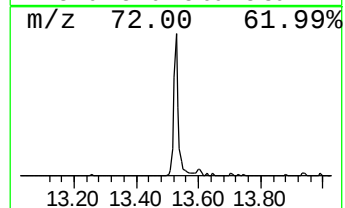
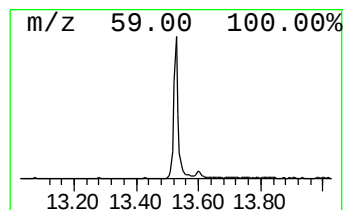
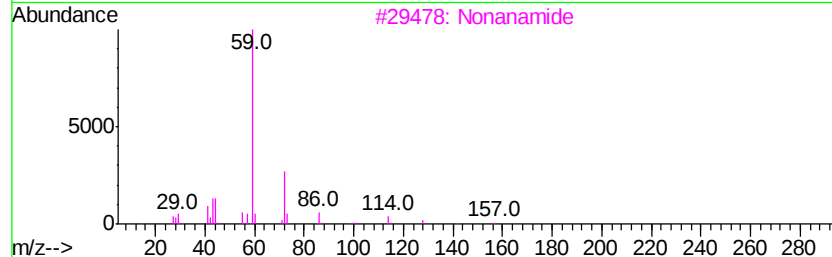
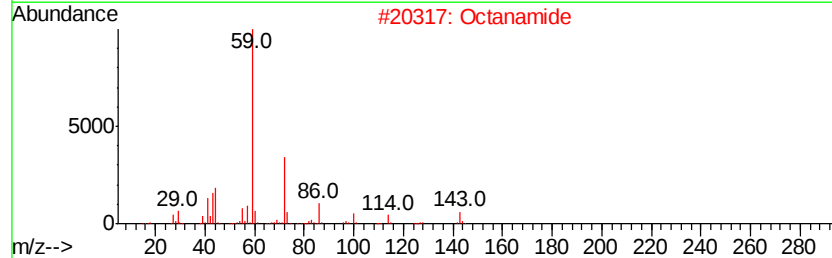
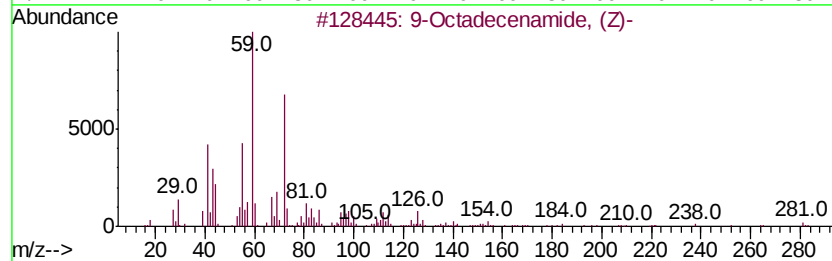
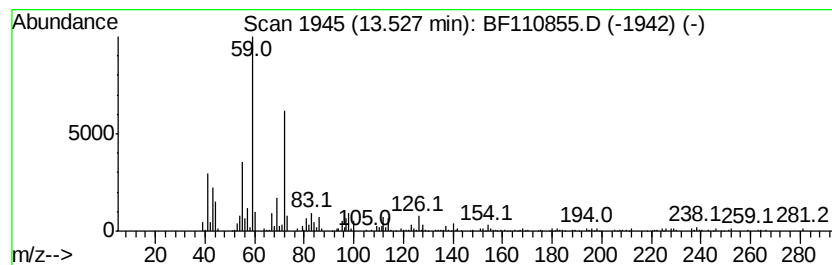
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 9-Octadecenamide, (Z)- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.53	3.99 ng	184264	Chrysene-d12	14.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	96
2		Octanamide	143	C8H17NO	000629-01-6	53
3		Nonanamide	157	C9H19NO	001120-07-6	53
4		2-Hydroxy-2-methylundec-5-en-3-one	198	C12H22O2	1000191-46-2	47
5		Tetradecanamide	227	C14H29NO	000638-58-4	45



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111918\
Data File : BF110855.D
Acq On : 19 Nov 2018 16:12
Operator : JU/SJ
Sample : J5989-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

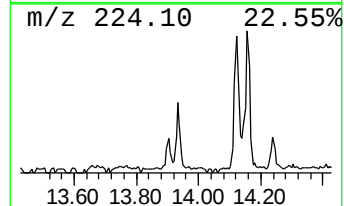
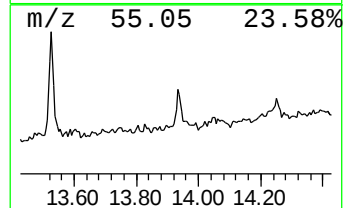
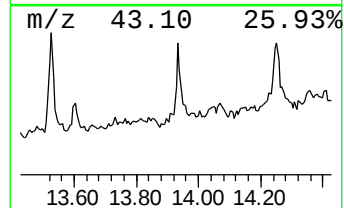
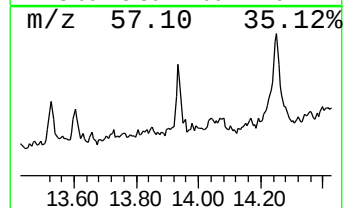
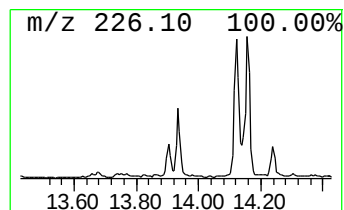
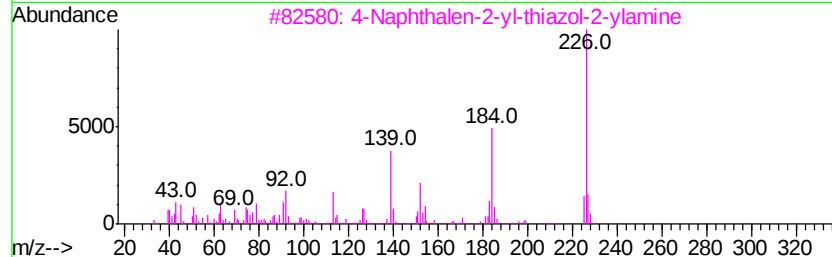
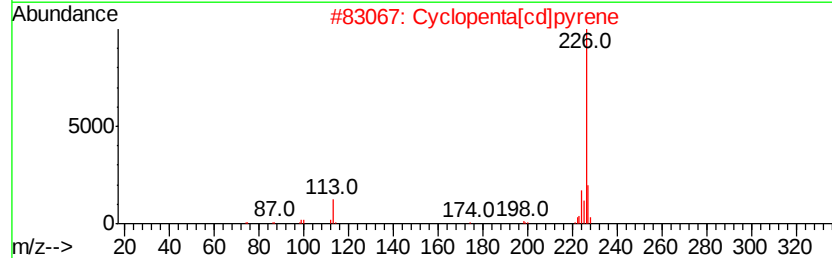
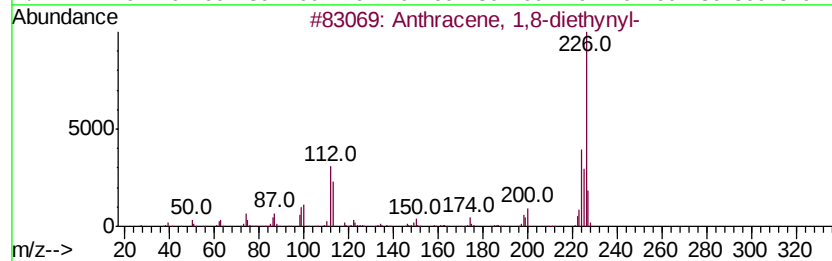
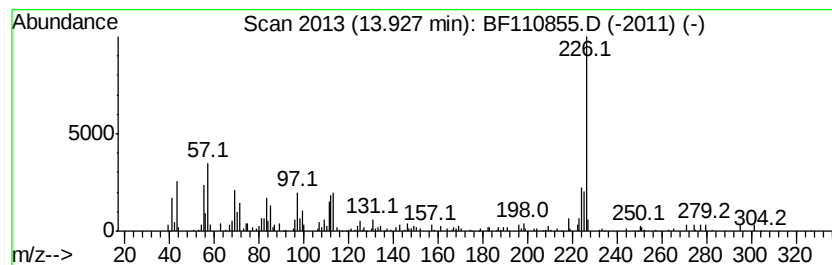
Instrument :
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ClientSampleId :
ES-RO-343

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Anthracene, 1,8-diethynyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.93	3.18 ng	147225	Chrysene-d12	14.13		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 1,8-diethynyl-	226	C18H10	078053-58-4	50
2		Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	49
3		4-Naphthalen-2-yl-thiazol-2-ylamine	226	C13H10N2S	1000300-53-4	38
4		9H-Carbazole, 9-methyl-3-nitro-	226	C13H10N2O2	061166-05-0	38
5		9H-Pyrido[3,4-b]indole, 7-methox...	226	C14H14N2O	143502-37-8	37



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111918\
Data File : BF110855.D
Acq On : 19 Nov 2018 16:12
Operator : JU/SJ
Sample : J5989-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ES-RO-343

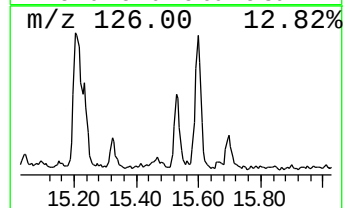
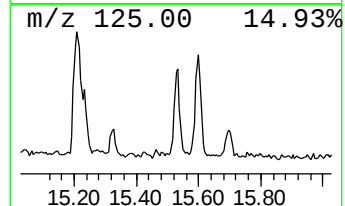
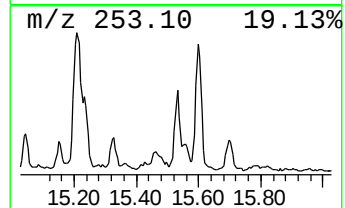
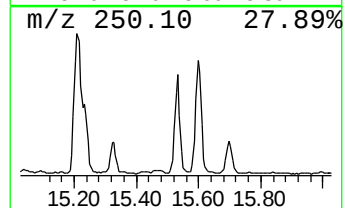
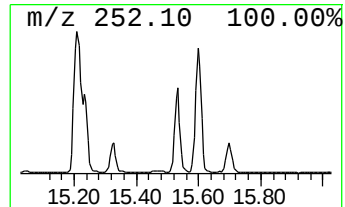
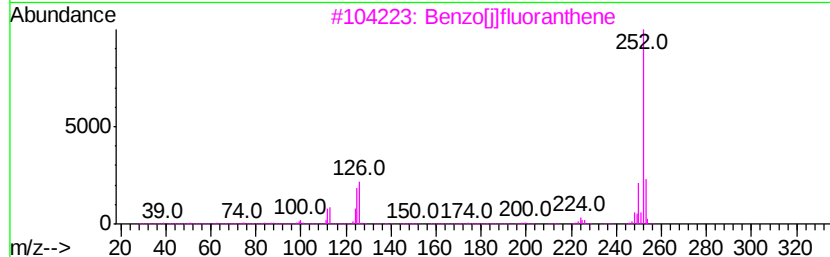
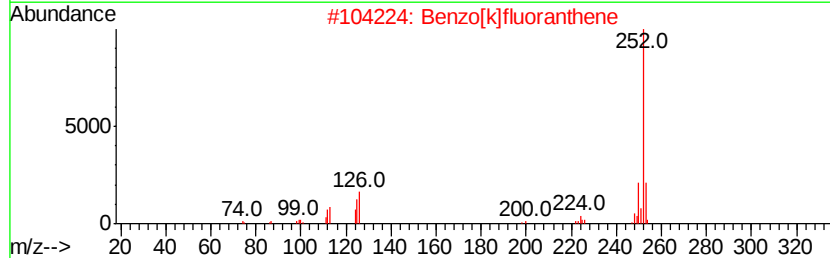
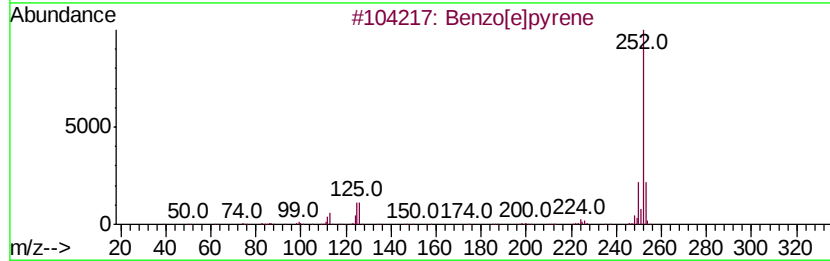
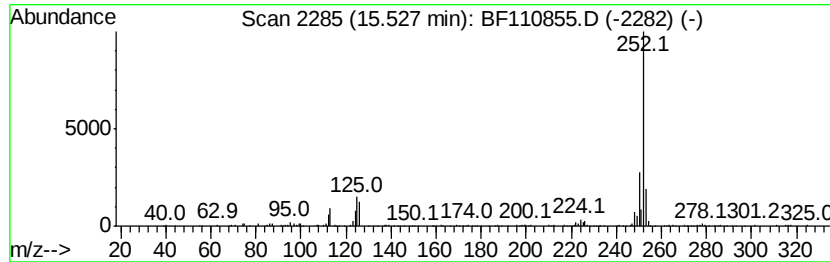
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.53	14.61 ng	178971	Perylene-d12	15.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2		Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3		Benzo[i]fluoranthene	252	C20H12	000205-82-3	95
4		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	94
5		Benzo[a]pyrene	252	C20H12	000050-32-8	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF111918\
 Data File : BF110855.D
 Acq On : 19 Nov 2018 16:12
 Operator : JU/SJ
 Sample : J5989-01 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ES-RO-343

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.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
Butane, 2-methoxy...	2.21	5.4	ng	105800	1	6.94	393507	20.0
2-Pentanone, 4-hy...	5.16	3.5	ng	68769	1	6.94	393507	20.0
unknown6.71	6.71	42.5	ng	837124	1	6.94	393507	20.0
Benzene, 1-etheny...	6.77	3.2	ng	62249	1	6.94	393507	20.0
Indene	7.20	2.9	ng	57086	1	6.94	393507	20.0
o-Cymene	8.49	3.4	ng	82690	2	8.22	494351	20.0
(E)-1-Phenyl-1-bu...	8.93	4.8	ng	117988	2	8.22	494351	20.0
9H-Fluorene, 1-me...	11.08	3.4	ng	69396	4	11.47	409249	20.0
Anthracene, 2-met...	11.98	9.1	ng	186790	4	11.47	409249	20.0
1H-Indene, 1-phenyl-	12.01	7.9	ng	161652	4	11.47	409249	20.0
Anthracene, 1-met...	12.06	3.2	ng	65484	4	11.47	409249	20.0
4H-Cyclopenta[def...	12.09	13.3	ng	272911	4	11.47	409249	20.0
Naphthalene, 2-ph...	12.27	4.0	ng	81202	4	11.47	409249	20.0
9,10-Dimethylantr...	12.53	6.3	ng	128077	4	11.47	409249	20.0
Pyrene, 1-methyl-	13.14	2.9	ng	133271	5	14.13	924549	20.0
Fluoranthene, 2-m...	13.26	5.7	ng	265201	5	14.13	924549	20.0
9-Octadecenamamide,...	13.53	4.0	ng	184264	5	14.13	924549	20.0
Anthracene, 1,8-d...	13.93	3.2	ng	147225	5	14.13	924549	20.0
Benzo[e]pyrene	15.53	14.6	ng	178971	6	15.66	244972	20.0