

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF020519\
 Data File : BF112402.D
 Acq On : 5 Feb 2019 18:10
 Operator : JU/SJ
 Sample : K1346-01 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-020419-A

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-BF012519.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	2.116	3	5	11	rVB	35380	36797	2.59%	0.154%
2	5.040	499	502	509	rBV	45016	53525	3.77%	0.225%
3	5.463	571	574	594	rBV	961426	1022061	71.92%	4.288%
4	6.475	743	746	765	rBV	1036142	1135869	79.92%	4.766%
5	6.604	765	768	783	rVB	1301177	1175727	82.73%	4.933%
6	6.834	803	807	818	rBV	1095532	1057522	74.41%	4.437%
7	6.986	829	833	844	rBV	1101035	929250	65.39%	3.899%
8	7.392	898	902	913	rBV	674581	648759	45.65%	2.722%
9	8.116	1021	1025	1028	rBV	1503577	1326819	93.36%	5.567%
10	8.828	1143	1146	1151	rBV	32178	32729	2.30%	0.137%
11	8.928	1158	1163	1168	rBV	33410	28881	2.03%	0.121%
12	9.186	1202	1207	1218	rBV	1591645	1291980	90.91%	5.421%
13	9.457	1249	1253	1260	rBV	15765	23222	1.63%	0.097%
14	9.527	1262	1265	1268	rVV	28561	29107	2.05%	0.122%
15	9.580	1272	1274	1282	rVB	43938	41537	2.92%	0.174%
16	9.645	1282	1285	1295	rVB2	16909	21154	1.49%	0.089%
17	9.727	1295	1299	1305	rBV	37445	37227	2.62%	0.156%
18	9.869	1317	1323	1326	rBV	1582286	1364497	96.01%	5.725%
19	9.898	1326	1328	1333	rVB	162263	149881	10.55%	0.629%
20	10.075	1354	1358	1362	rBV	102902	100765	7.09%	0.423%
21	10.110	1362	1364	1368	rVB3	15202	15926	1.12%	0.067%
22	10.186	1374	1377	1380	rBV2	12569	17660	1.24%	0.074%
23	10.416	1413	1416	1421	rVB	187582	169515	11.93%	0.711%
24	10.574	1441	1443	1447	rVB	36404	27912	1.96%	0.117%
25	10.657	1454	1457	1464	rBV	633886	664667	46.77%	2.789%
26	10.780	1477	1478	1484	rVB2	15608	17448	1.23%	0.073%
27	10.969	1503	1510	1512	rBV2	32745	43139	3.04%	0.181%
28	11.092	1527	1531	1533	rBV3	20490	22668	1.60%	0.095%
29	11.204	1547	1550	1554	rBV3	22351	30763	2.16%	0.129%
30	11.251	1554	1558	1563	rVB	56091	58693	4.13%	0.246%
31	11.357	1572	1576	1578	rBV	1383018	1202474	84.61%	5.045%
32	11.380	1578	1580	1584	rVV	1024121	803288	56.52%	3.370%
33	11.433	1585	1589	1593	rVV	285968	265043	18.65%	1.112%
34	11.474	1593	1596	1601	rVB4	14691	21859	1.54%	0.092%

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Integrator: RTE

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35	11.592	1612	1616	1622	rBV	53218	69674	4.90%	0.292%
36	11.645	1622	1625	1628	rVV2	21929	21866	1.54%	0.092%
37	11.692	1630	1633	1634	rBV2	41957	41686	2.93%	0.175%
38	11.721	1634	1638	1641	rVB	497315	422360	29.72%	1.772%
39	11.857	1658	1661	1663	rBV	81879	79370	5.58%	0.333%
40	11.886	1663	1666	1672	rVB2	131152	163390	11.50%	0.686%
41	11.933	1672	1674	1677	rVB	51900	42556	2.99%	0.179%
42	11.969	1677	1680	1683	rBV	175071	186915	13.15%	0.784%
43	12.045	1690	1693	1696	rBV4	24150	26378	1.86%	0.111%
44	12.151	1708	1711	1714	rBV	59868	51141	3.60%	0.215%
45	12.186	1715	1717	1721	rVB3	29238	29619	2.08%	0.124%
46	12.304	1735	1737	1739	rVB3	20787	16994	1.20%	0.071%
47	12.333	1739	1742	1744	rBV4	27877	22654	1.59%	0.095%
48	12.357	1744	1746	1749	rVV4	15159	19555	1.38%	0.082%
49	12.416	1752	1756	1758	rVV2	367244	358894	25.25%	1.506%
50	12.433	1758	1759	1763	rVV4	43639	58332	4.10%	0.245%
51	12.498	1766	1770	1774	rVV2	37624	47400	3.34%	0.199%
52	12.568	1779	1782	1786	rBV	1188952	1139602	80.19%	4.781%
53	12.633	1791	1793	1796	rVB	18644	16605	1.17%	0.070%
54	12.668	1796	1799	1803	rVB2	23503	21729	1.53%	0.091%
55	12.721	1805	1808	1810	rBV2	52937	48770	3.43%	0.205%
56	12.798	1815	1821	1827	rBV2	951865	1103705	77.66%	4.631%
57	12.851	1827	1830	1835	rVB2	41836	45747	3.22%	0.192%
58	12.933	1839	1844	1847	rBV	1117673	964967	67.90%	4.049%
59	12.963	1847	1849	1853	rVB	45707	50837	3.58%	0.213%
60	13.021	1854	1859	1862	rBV2	56080	106011	7.46%	0.445%
61	13.104	1870	1873	1874	rBV2	44923	45043	3.17%	0.189%
62	13.127	1874	1877	1880	rVB	131892	126797	8.92%	0.532%
63	13.163	1880	1883	1886	rBV	65080	65182	4.59%	0.273%
64	13.192	1886	1888	1891	rBV	100590	86870	6.11%	0.364%
65	13.233	1891	1895	1897	rBV3	72068	87258	6.14%	0.366%
66	13.327	1909	1911	1913	rBV	28102	23162	1.63%	0.097%
67	13.357	1914	1916	1918	rBV2	43370	37077	2.61%	0.156%
68	13.504	1938	1941	1944	rBV	86790	69331	4.88%	0.291%
69	13.639	1962	1964	1970	rVB	45439	52183	3.67%	0.219%
70	13.751	1980	1983	1985	rBV	78871	76367	5.37%	0.320%
71	13.774	1985	1987	1989	rVB	56670	41961	2.95%	0.176%

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72	13.804	1989	1992	1993	rBV	58158	56422	3.97%	0.237%
73	13.827	1994	1996	1999	rVV	95374	86100	6.06%	0.361%
74	13.998	2020	2025	2028	rBV2	1208824	1421178	100.00%	5.963%
75	14.027	2028	2030	2033	rVB	361662	298924	21.03%	1.254%
76	14.104	2041	2043	2047	rBV	64619	53151	3.74%	0.223%
77	14.145	2048	2050	2054	rVV2	140193	143806	10.12%	0.603%
78	14.451	2099	2102	2106	rBV2	159449	162810	11.46%	0.683%
79	14.757	2151	2154	2158	rVB	136036	134023	9.43%	0.562%
80	15.045	2199	2203	2206	rBV	292023	431960	30.39%	1.812%
81	15.345	2251	2254	2260	rVB	163010	208258	14.65%	0.874%
82	15.409	2261	2265	2270	rBV	239097	294743	20.74%	1.237%
83	15.468	2271	2275	2279	rBV	664083	806299	56.73%	3.383%

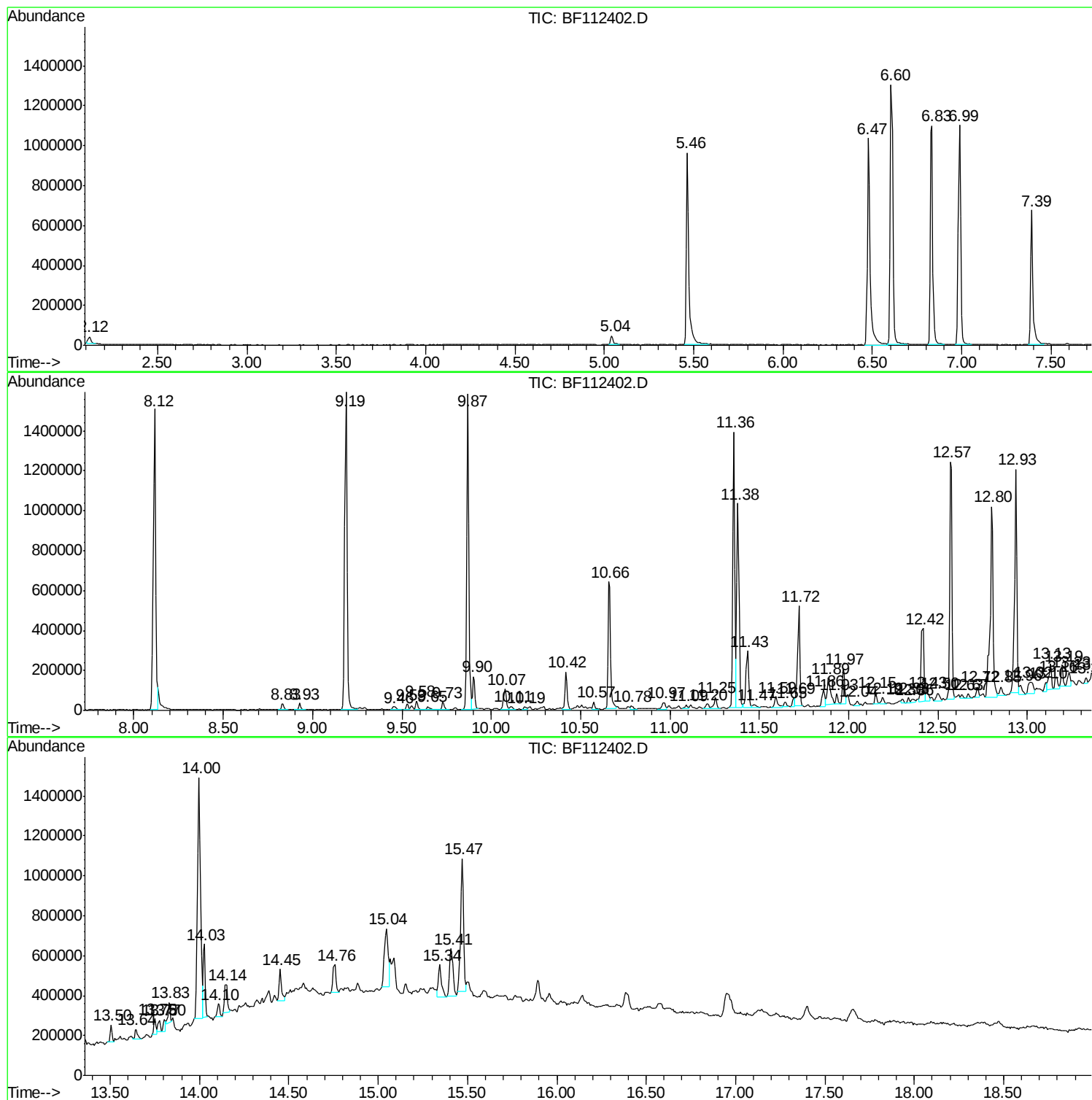
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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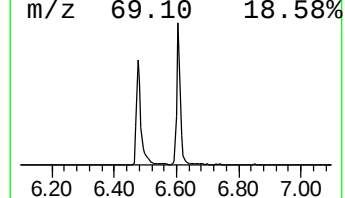
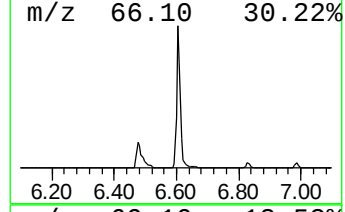
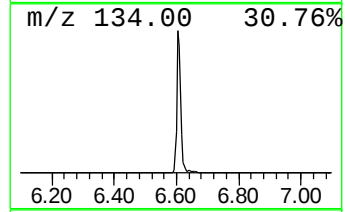
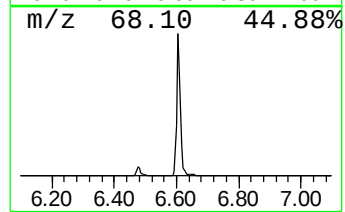
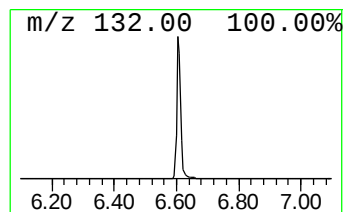
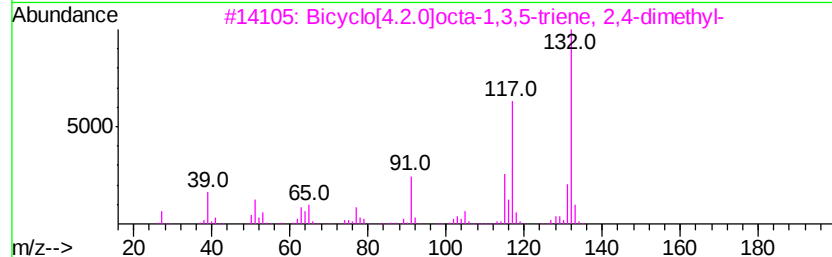
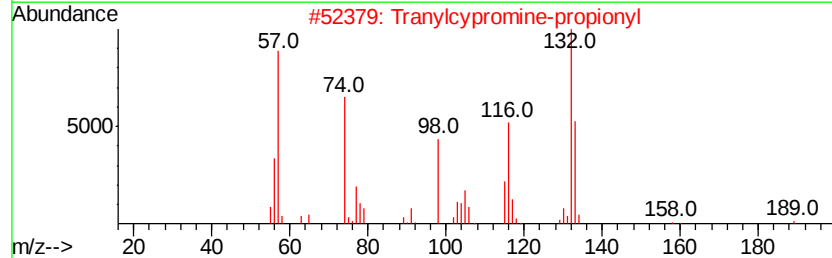
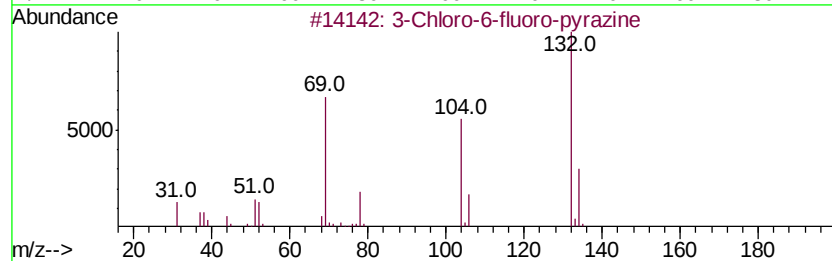
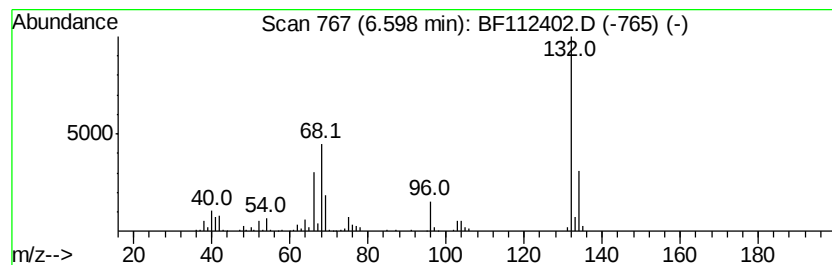
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.60 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.60	22.24 ng	1175730	1,4-Dichlorobenzene-d4	6.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5		1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9



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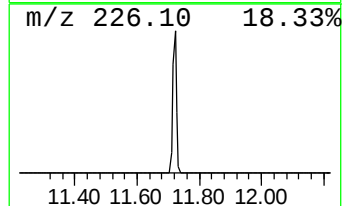
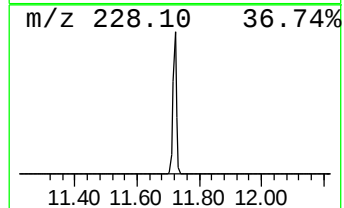
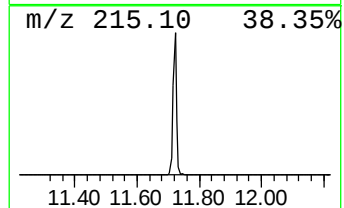
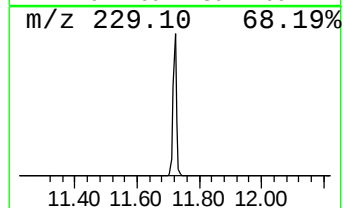
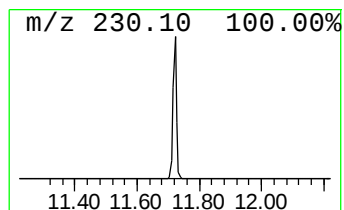
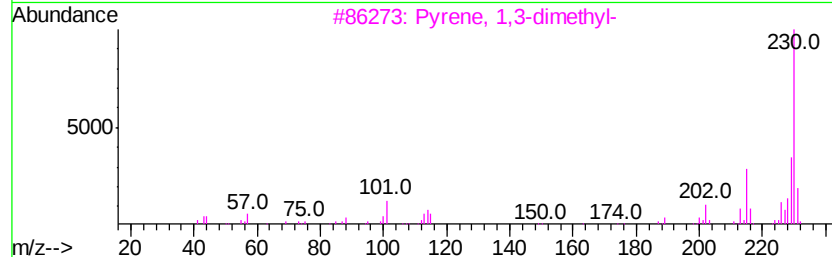
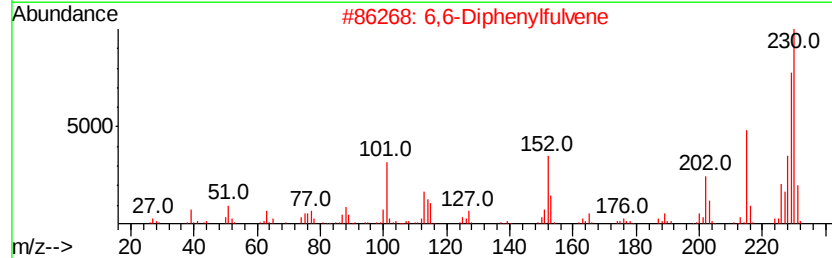
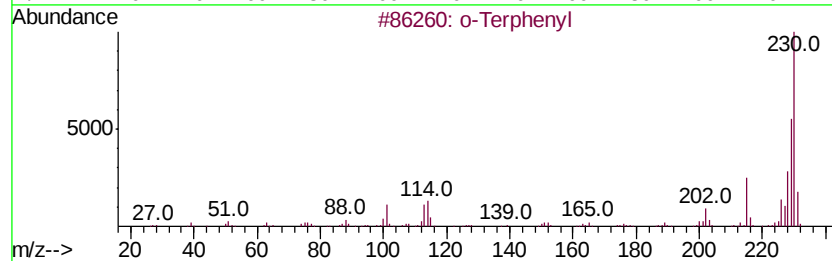
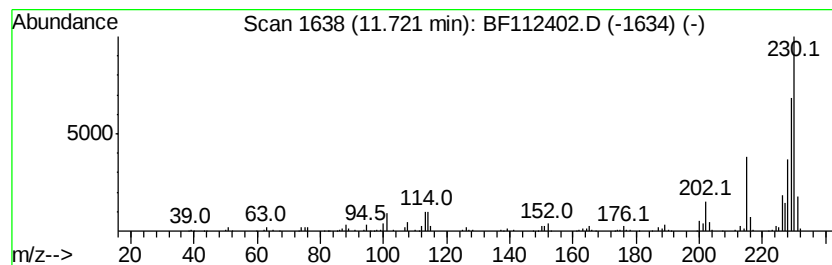
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 3 o-Terphenyl Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.72	7.02 ng	422360	Phenanthrene-d10	11.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	o-Terphenyl	230	C18H14	000084-15-1	96
2		6,6-Diphenylfulvene	230	C18H14	002175-90-8	91
3		Pvrene, 1,3-dimethyl-	230	C18H14	064401-21-4	83
4		2,2'-Bi-1H-indene	230	C18H14	000787-61-1	50
5		Naphthalene, 2-styryl-	230	C18H14	002039-70-5	50



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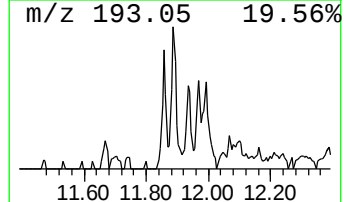
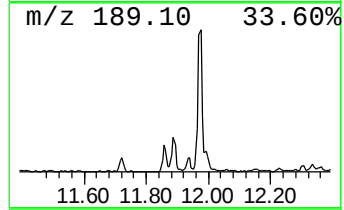
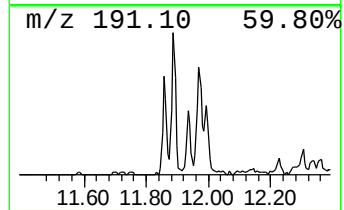
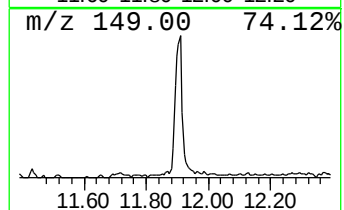
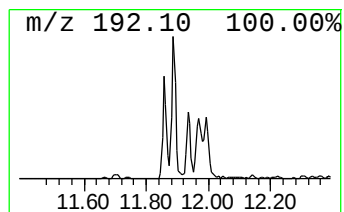
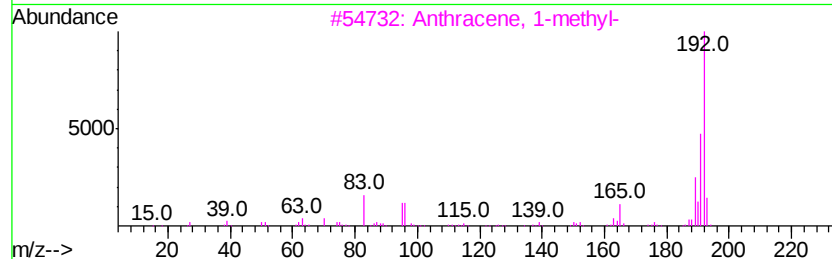
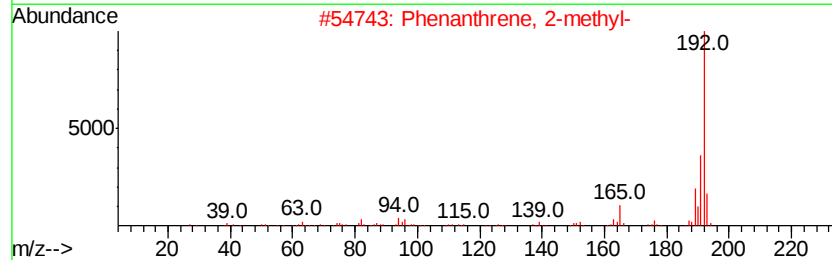
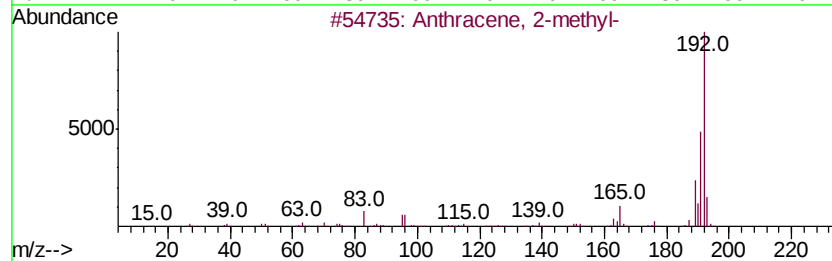
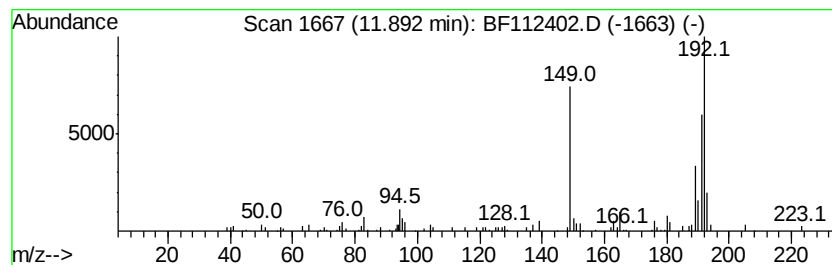
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	2.72 ng	163390	Phenanthrene-d10	11.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
5		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93



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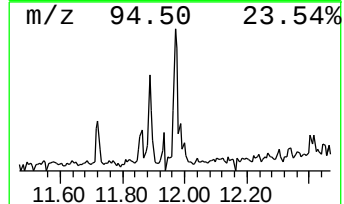
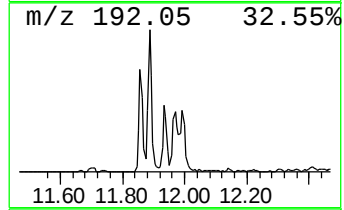
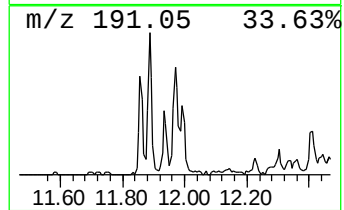
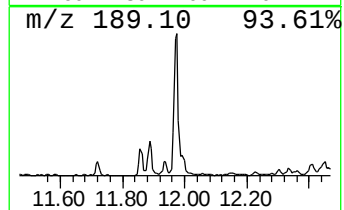
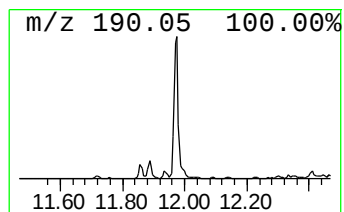
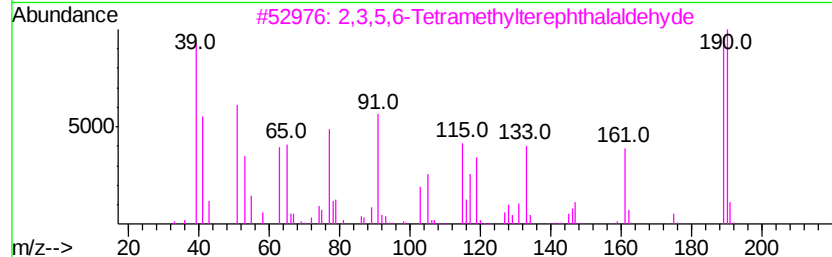
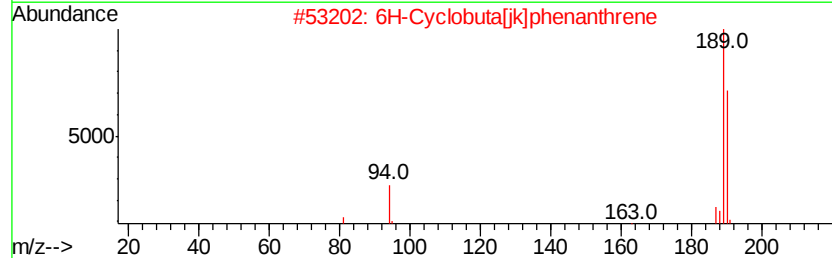
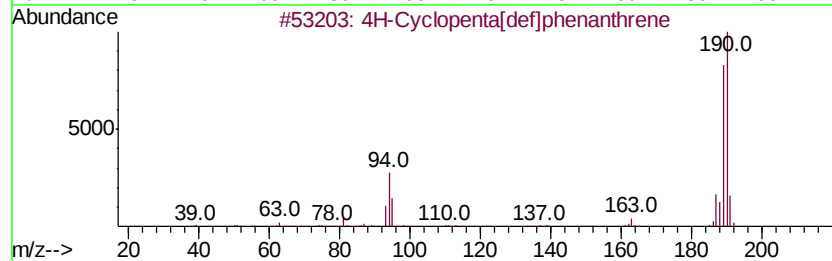
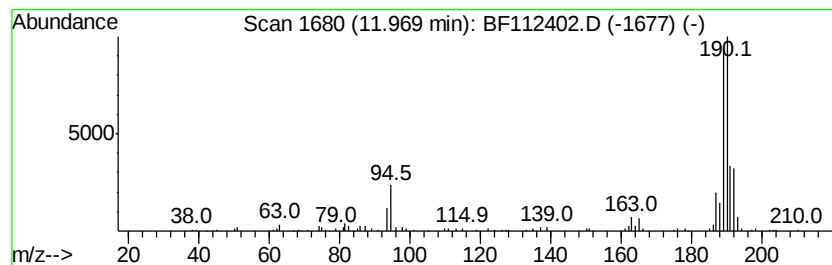
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CL-02-020419-A

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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 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.97	3.11 ng	186915	Phenanthrene-d10		11.36
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[i]phenanthrene	190	C15H10	083469-43-6	50
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	30



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020519\
Data File : BF112402.D
Acq On : 5 Feb 2019 18:10
Operator : JU/SJ
Sample : K1346-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

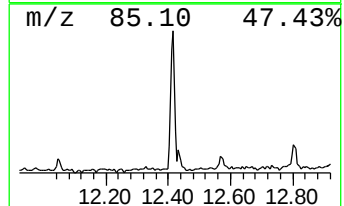
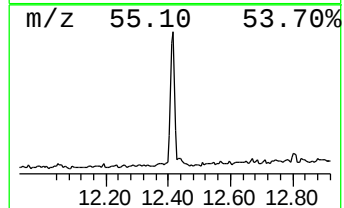
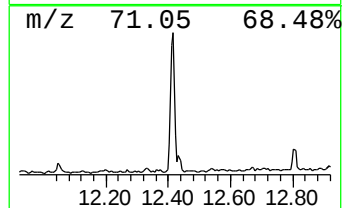
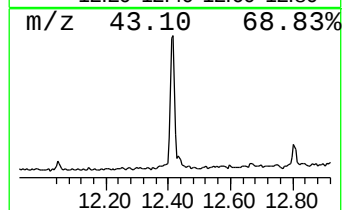
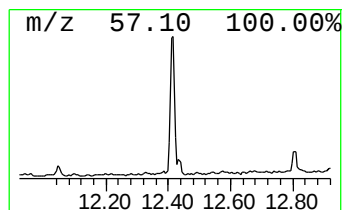
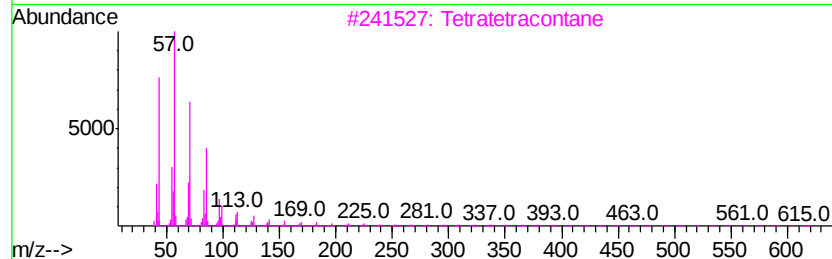
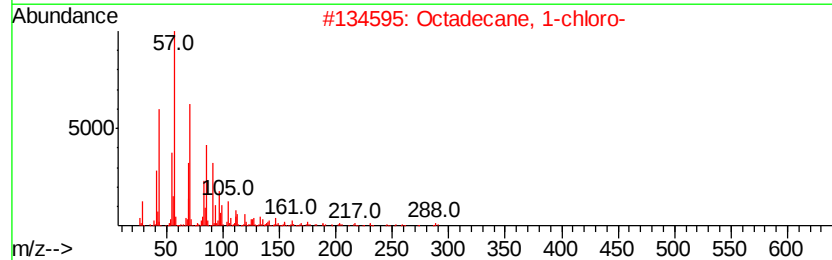
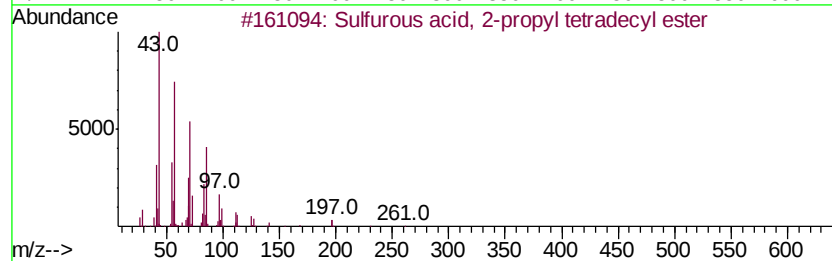
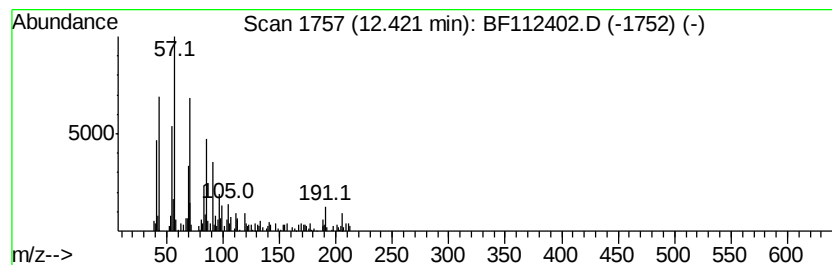
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Sulfurous acid, 2-propyl te... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.42	5.97 ng	358894	Phenanthrene-d10	11.36	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, 2-propyl tetradec...	320	C17H36O3S	1000309-12-5	87
2	Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	83
3	Tetratetracontane	619	C44H90	007098-22-8	80
4	Tritetracontane	605	C43H88	007098-21-7	80
5	1-Octadecanesulphonyl chloride	352	C18H37ClO2S	1000342-70-4	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020519\
Data File : BF112402.D
Acq On : 5 Feb 2019 18:10
Operator : JU/SJ
Sample : K1346-01 5X
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Instrument :
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ClientSampleId :
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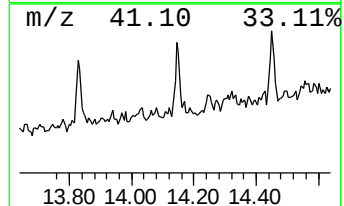
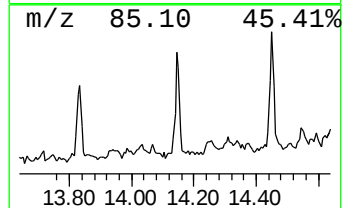
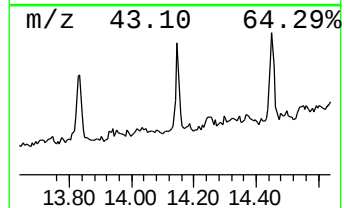
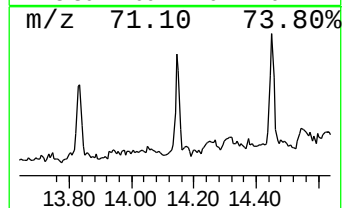
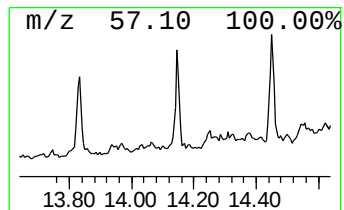
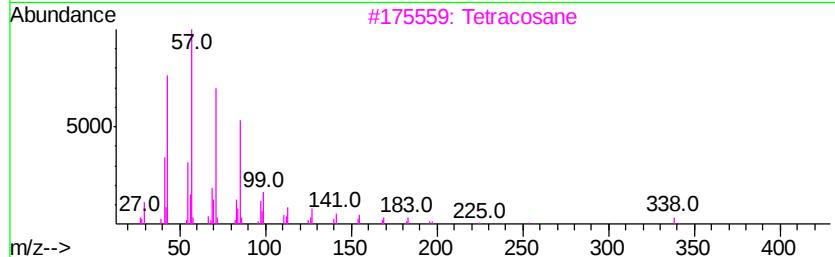
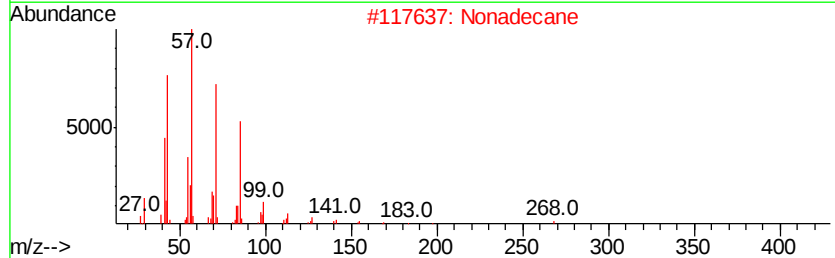
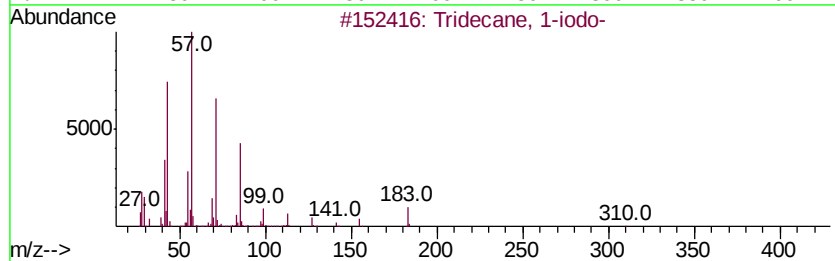
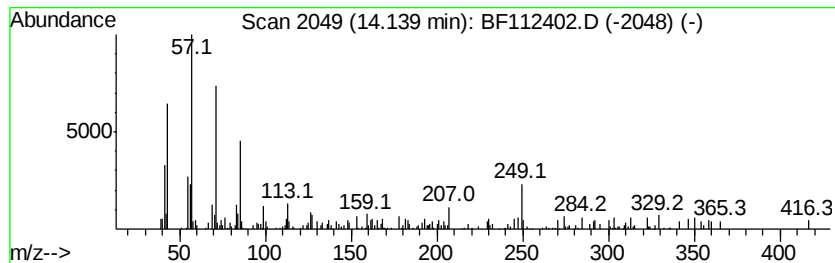
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Tridecane, 1-iodo- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.14	2.02 ng	143806	Chrysene-d12	14.00

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tridecane, 1-iodo-	310	C13H27I	035599-77-0	86
2		Nonadecane	268	C19H40	000629-92-5	78
3		Tetracosane	338	C24H50	000646-31-1	76
4		Pentacosane	352	C25H52	000629-99-2	70
5		2-Bromotetradecane	276	C14H29Br	074036-95-6	68



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020519\
Data File : BF112402.D
Acq On : 5 Feb 2019 18:10
Operator : JU/SJ
Sample : K1346-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

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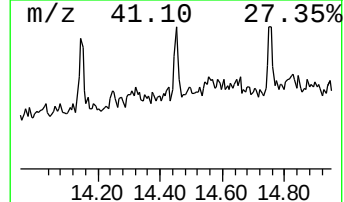
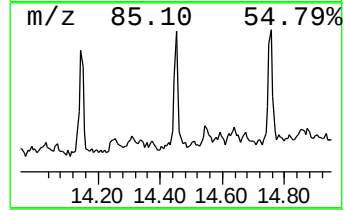
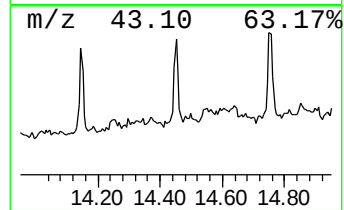
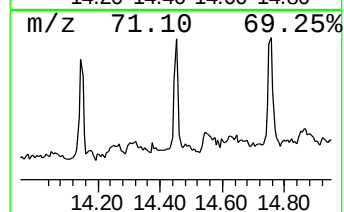
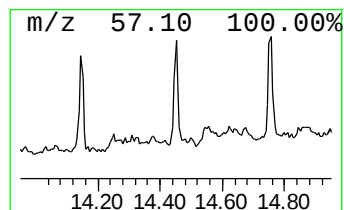
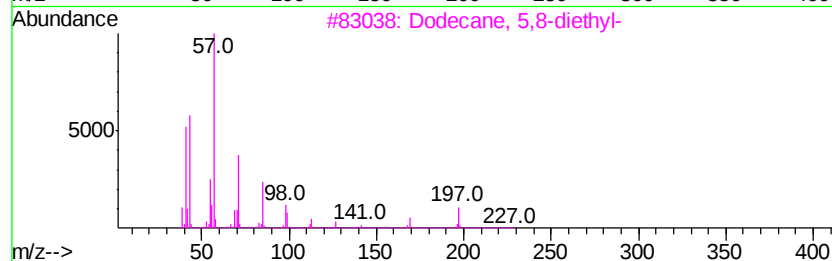
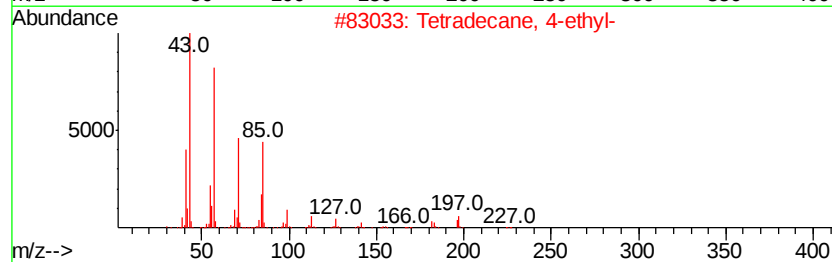
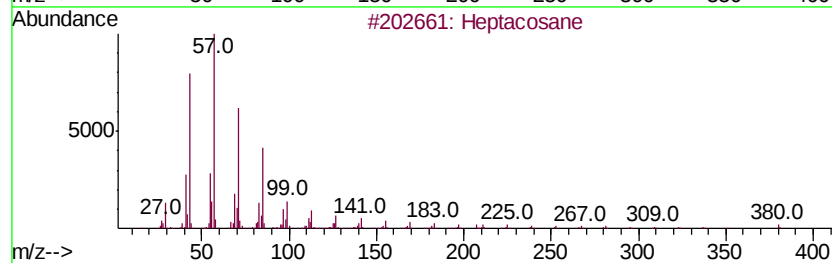
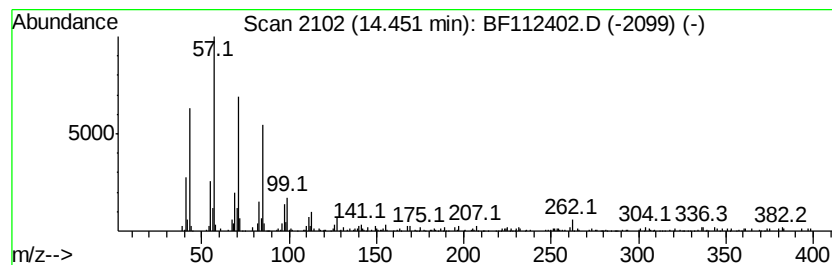
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Heptacosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.45	2.29 ng	162810	Chrysene-d12	14.00

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane		380	C27H56	000593-49-7	93
2	Tetradecane, 4-ethyl-		226	C16H34	055045-14-2	87
3	Dodecane, 5,8-diethyl-		226	C16H34	024251-86-3	87
4	Heneicosane, 11-(1-ethylpropyl)-		366	C26H54	055282-11-6	87
5	Hexacosane		366	C26H54	000630-01-3	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020519\
Data File : BF112402.D
Acq On : 5 Feb 2019 18:10
Operator : JU/SJ
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Misc :
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ClientSampleId :
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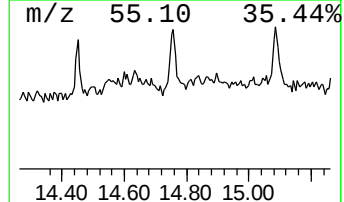
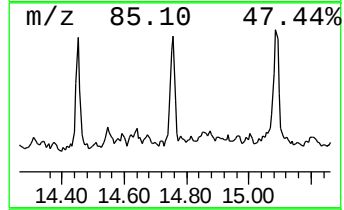
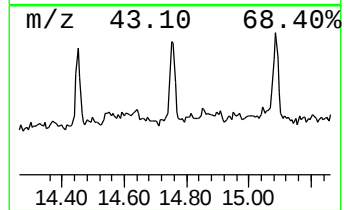
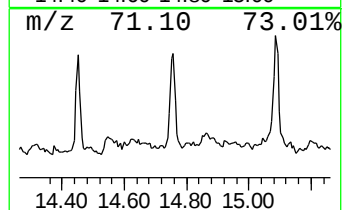
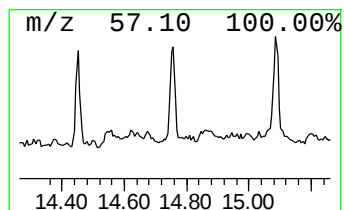
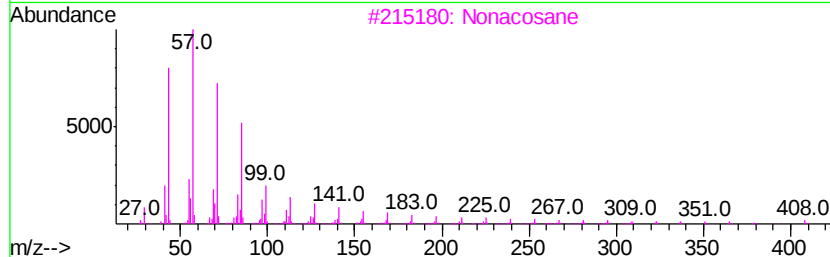
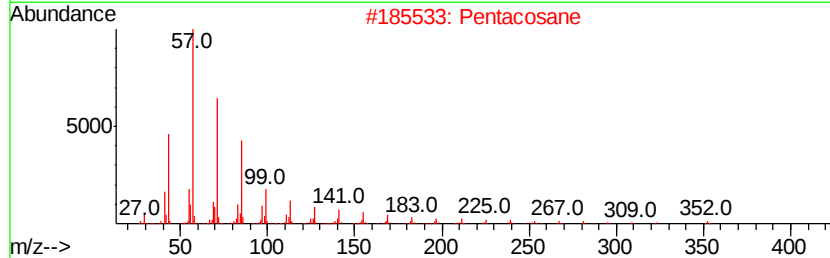
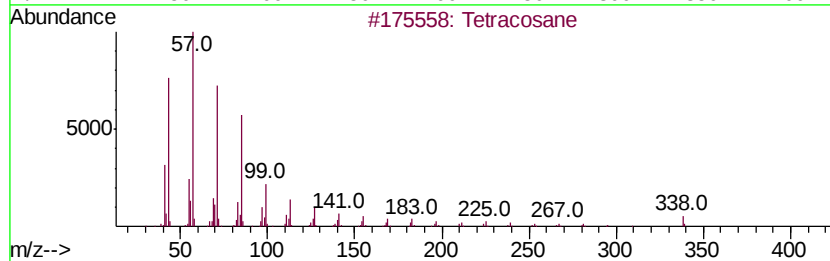
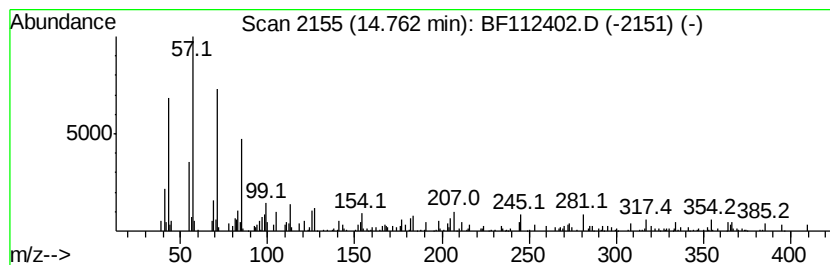
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Tetracosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.76	3.32 ng	134023	Perylene-d12	15.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetracosane	338	C24H50	000646-31-1	93
2		Pentacosane	352	C25H52	000629-99-2	87
3		Nonacosane	408	C29H60	000630-03-5	86
4		Eicosane, 7-hexyl-	366	C26H54	055333-99-8	86
5		Heptadecane	240	C17H36	000629-78-7	74



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020519\
Data File : BF112402.D
Acq On : 5 Feb 2019 18:10
Operator : JU/SJ
Sample : K1346-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CL-02-020419-A

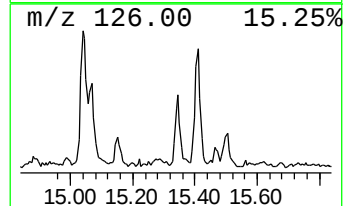
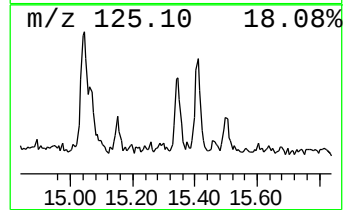
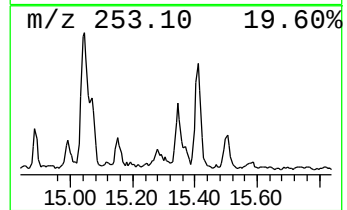
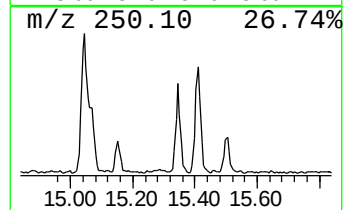
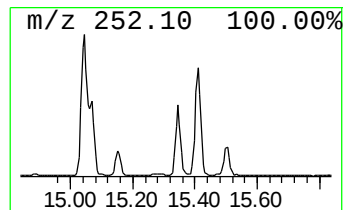
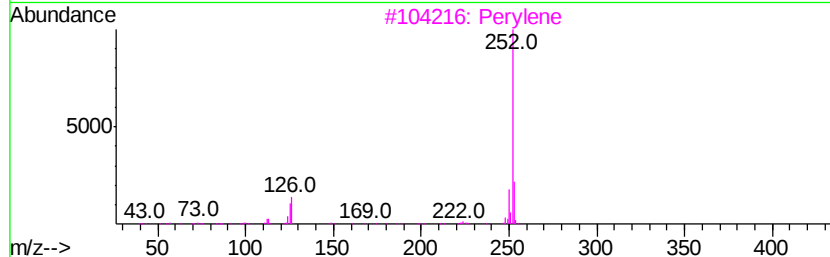
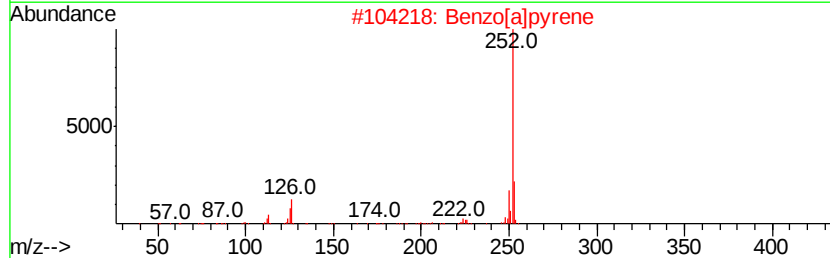
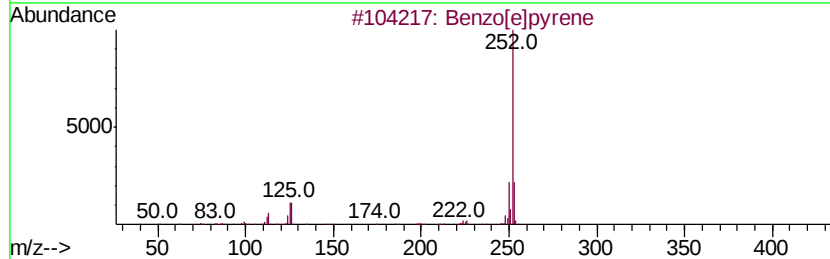
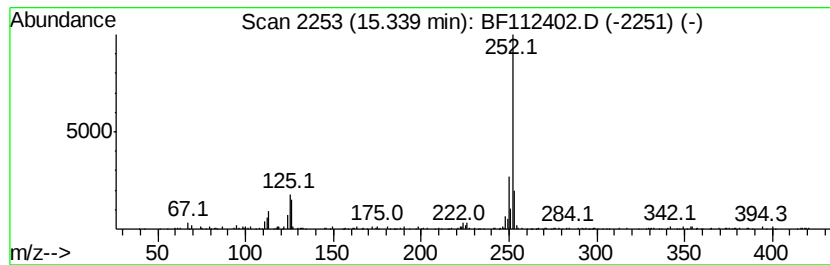
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	5.17 ng	208258	Perylene-d12	15.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2		Benzo[a]pyrene	252	C20H12	000050-32-8	92
3		Perylene	252	C20H12	000198-55-0	91
4		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	91
5		Benzo[k]fluoranthene	252	C20H12	000207-08-9	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF020519\
Data File : BF112402.D
Acq On : 5 Feb 2019 18:10
Operator : JU/SJ
Sample : K1346-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.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
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o-Terphenyl	11.72	7.0	ng	422360	4	11.36	1202470	20.0
Anthracene, 2-met...	11.89	2.7	ng	163390	4	11.36	1202470	20.0
4H-Cyclopenta[def...	11.97	3.1	ng	186915	4	11.36	1202470	20.0
Sulfurous acid, 2...	12.42	6.0	ng	358894	4	11.36	1202470	20.0
Tridecane, 1-iodo-	14.14	2.0	ng	143806	5	14.00	1421180	20.0
Heptacosane	14.45	2.3	ng	162810	5	14.00	1421180	20.0
Tetracosane	14.76	3.3	ng	134023	6	15.47	806299	20.0
Benzo[e]pyrene	15.34	5.2	ng	208258	6	15.47	806299	20.0