

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092818\
 Data File : BF109442.D
 Acq On : 28 Sep 2018 20:44
 Operator : JU/SJ
 Sample : J5118-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RA-092518-USTEXC-NW-R-064

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-BF092218.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	4.910	476	480	487	rBV	67519	88143	4.16%	0.329%
2	5.328	546	551	554	rBV	1983124	1895269	89.52%	7.066%
3	6.351	720	725	737	rBV	2019895	2117184	100.00%	7.893%
4	6.481	743	747	750	rBV	2314113	1983350	93.68%	7.394%
5	6.710	782	786	789	rBV	739854	594687	28.09%	2.217%
6	6.869	809	813	816	rBV	1736592	1580403	74.65%	5.892%
7	7.269	873	881	884	rBV	1349765	1177706	55.63%	4.391%
8	7.992	1000	1004	1006	rBV	783581	703775	33.24%	2.624%
9	8.010	1006	1007	1011	rVB2	52206	42587	2.01%	0.159%
10	8.381	1067	1070	1075	rBV3	47290	42963	2.03%	0.160%
11	8.428	1075	1078	1081	rBV2	59406	59819	2.83%	0.223%
12	8.592	1102	1106	1109	rBV3	76774	84752	4.00%	0.316%
13	8.704	1120	1125	1129	rVB3	50270	72321	3.42%	0.270%
14	8.798	1137	1141	1146	rBV4	52601	69548	3.28%	0.259%
15	9.022	1176	1179	1182	rVB4	82796	79045	3.73%	0.295%
16	9.069	1182	1187	1190	rBV	2188383	1912283	90.32%	7.130%
17	9.157	1198	1202	1206	rBV2	111872	119933	5.66%	0.447%
18	9.216	1208	1212	1214	rVB2	46511	51381	2.43%	0.192%
19	9.269	1218	1221	1226	rBV5	28834	45970	2.17%	0.171%
20	9.322	1226	1230	1237	rBV	112841	184755	8.73%	0.689%
21	9.398	1240	1243	1246	rBV	139326	144977	6.85%	0.541%
22	9.428	1246	1248	1251	rVB	109668	76504	3.61%	0.285%
23	9.457	1251	1253	1255	rBV	361023	274590	12.97%	1.024%
24	9.481	1255	1257	1259	rVB	121094	88685	4.19%	0.331%
25	9.686	1289	1292	1296	rBV	124704	104523	4.94%	0.390%
26	9.739	1296	1301	1304	rBV	804493	688191	32.51%	2.566%
27	9.845	1315	1319	1324	rBV	105097	143189	6.76%	0.534%
28	9.945	1332	1336	1339	rVB	202973	190492	9.00%	0.710%
29	9.980	1339	1342	1345	rBV	125708	120056	5.67%	0.448%
30	10.010	1345	1347	1351	rVB4	94880	83283	3.93%	0.311%
31	10.057	1352	1355	1358	rBV	120958	107829	5.09%	0.402%
32	10.086	1358	1360	1363	rVB	106962	73193	3.46%	0.273%
33	10.151	1366	1371	1372	rBV3	77237	101808	4.81%	0.380%
34	10.180	1375	1376	1379	rVB	103782	69236	3.27%	0.258%

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35	10.233	1383	1385	1388	rVB3	59341	53682	2.54%	0.200%
36	10.280	1390	1393	1395	rBV2	100997	84507	3.99%	0.315%
37	10.310	1395	1398	1400	rVB2	55086	48297	2.28%	0.180%
38	10.351	1400	1405	1407	rVB3	100884	101849	4.81%	0.380%
39	10.404	1411	1414	1417	rBV	302737	279629	13.21%	1.043%
40	10.439	1417	1420	1421	rBV2	43817	41743	1.97%	0.156%
41	10.486	1426	1428	1430	rBV2	59853	66534	3.14%	0.248%
42	10.522	1430	1434	1439	rVB	1054918	1037491	49.00%	3.868%
43	10.563	1439	1441	1444	rBV3	58131	52951	2.50%	0.197%
44	10.622	1447	1451	1454	rBV4	37482	64809	3.06%	0.242%
45	10.669	1454	1459	1464	rVB2	514530	611836	28.90%	2.281%
46	10.727	1466	1469	1471	rBV2	92494	80938	3.82%	0.302%
47	10.804	1478	1482	1483	rBV4	33458	42609	2.01%	0.159%
48	10.827	1484	1486	1488	rVV2	39891	40218	1.90%	0.150%
49	10.863	1489	1492	1494	rVV2	97333	85796	4.05%	0.320%
50	10.980	1507	1512	1518	rVV6	83636	179132	8.46%	0.668%
51	11.027	1518	1520	1523	rVV3	50470	48093	2.27%	0.179%
52	11.075	1526	1528	1530	rVV3	53502	52485	2.48%	0.196%
53	11.098	1530	1532	1535	rVV	121743	146165	6.90%	0.545%
54	11.133	1535	1538	1545	rVB	417128	405419	19.15%	1.512%
55	11.216	1549	1552	1554	rBV	647154	563459	26.61%	2.101%
56	11.239	1554	1556	1559	rVB	467668	368798	17.42%	1.375%
57	11.292	1563	1565	1568	rVB	123884	93007	4.39%	0.347%
58	11.339	1569	1573	1575	rBV2	45350	64950	3.07%	0.242%
59	11.451	1589	1592	1594	rBV3	39373	42504	2.01%	0.158%
60	11.480	1594	1597	1600	rVV	95152	91174	4.31%	0.340%
61	11.527	1602	1605	1607	rVV	93589	88539	4.18%	0.330%
62	11.551	1607	1609	1611	rVV	70968	58566	2.77%	0.218%
63	11.575	1611	1613	1620	rVV6	57600	71006	3.35%	0.265%
64	11.627	1620	1622	1626	rVB2	42980	52595	2.48%	0.196%
65	11.722	1635	1638	1640	rBV	88701	81494	3.85%	0.304%
66	11.745	1640	1642	1646	rVV2	161723	183178	8.65%	0.683%
67	11.786	1646	1649	1652	rVV2	109658	110540	5.22%	0.412%
68	11.827	1653	1656	1658	rVV	145718	159188	7.52%	0.593%
69	11.851	1658	1660	1666	rVB2	104261	106101	5.01%	0.396%
70	11.933	1671	1674	1676	rBV	61030	57020	2.69%	0.213%
71	12.033	1689	1691	1698	rVB4	58896	81926	3.87%	0.305%

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72	12.163	1708	1713	1716	rVV2	56210	86750	4.10%	0.323%
73	12.192	1716	1718	1720	rVV	65107	64100	3.03%	0.239%
74	12.216	1720	1722	1726	rVB2	77031	71744	3.39%	0.267%
75	12.269	1727	1731	1734	rVV	127349	129757	6.13%	0.484%
76	12.298	1734	1736	1738	rVV2	46573	54822	2.59%	0.204%
77	12.322	1738	1740	1742	rVB2	81590	63577	3.00%	0.237%
78	12.351	1742	1745	1749	rVB3	53426	61413	2.90%	0.229%
79	12.427	1754	1758	1761	rBV	510104	438687	20.72%	1.636%
80	12.651	1791	1796	1799	rBV	457150	412060	19.46%	1.536%
81	12.686	1799	1802	1804	rVV3	57644	68407	3.23%	0.255%
82	12.716	1804	1807	1810	rVB2	54549	60990	2.88%	0.227%
83	12.798	1818	1821	1829	rVB	1735320	1590435	75.12%	5.930%
84	12.980	1850	1852	1856	rVB2	69225	58769	2.78%	0.219%
85	13.045	1860	1863	1866	rVB	88382	83803	3.96%	0.312%
86	13.086	1866	1870	1872	rBV2	58342	72361	3.42%	0.270%
87	13.386	1918	1921	1923	rBV	59227	57790	2.73%	0.215%
88	13.710	1974	1976	1982	rVB	132409	155489	7.34%	0.580%
89	13.845	1994	1999	2001	rBV2	635121	658390	31.10%	2.455%
90	13.868	2001	2003	2006	rVB	154273	121915	5.76%	0.455%
91	14.027	2027	2030	2033	rBV2	62614	62691	2.96%	0.234%
92	14.327	2079	2081	2084	rVB	83153	61810	2.92%	0.230%
93	14.621	2129	2131	2138	rVB	111429	125107	5.91%	0.466%
94	14.692	2140	2143	2148	rVB	117409	123232	5.82%	0.459%
95	14.851	2167	2170	2179	rVV	137559	235861	11.14%	0.879%
96	14.939	2182	2185	2192	rVB2	132089	176620	8.34%	0.658%
97	15.192	2225	2228	2231	rVV	81793	94144	4.45%	0.351%
98	15.251	2234	2238	2241	rBV	295004	339675	16.04%	1.266%
99	15.292	2242	2245	2249	rVB	146479	181490	8.57%	0.677%
100	15.692	2310	2313	2318	rVB	116891	139565	6.59%	0.520%

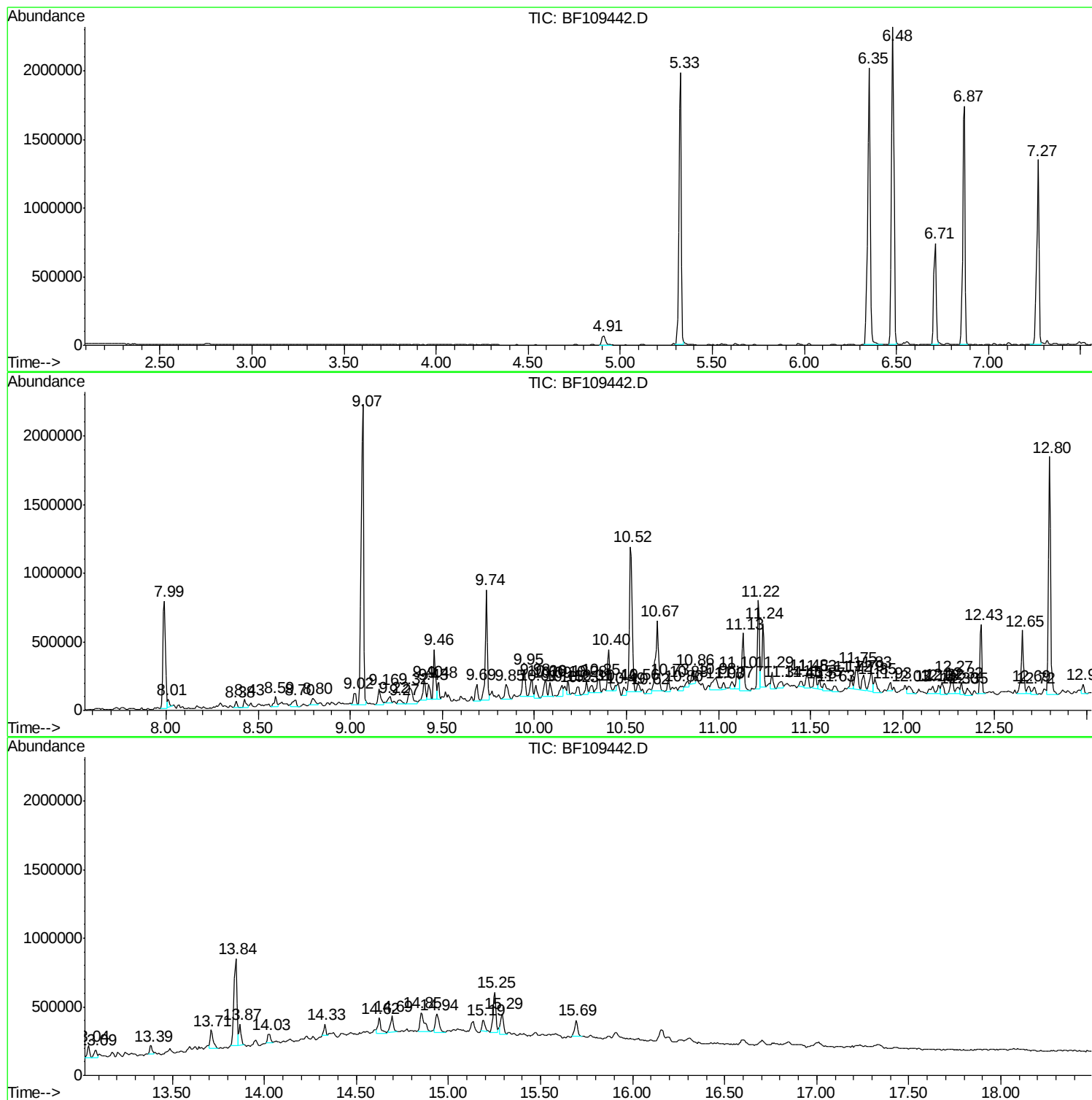
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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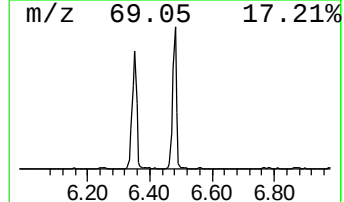
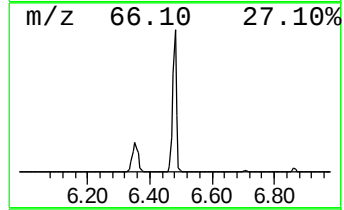
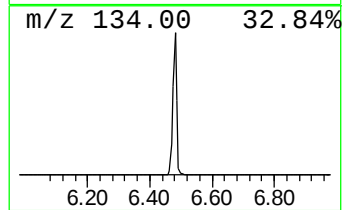
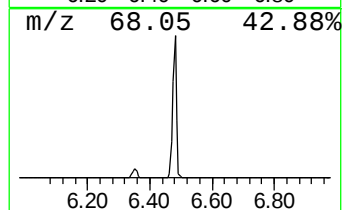
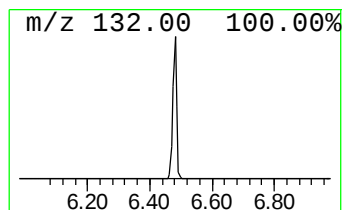
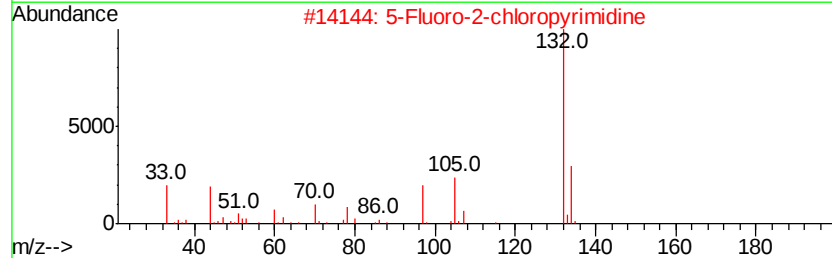
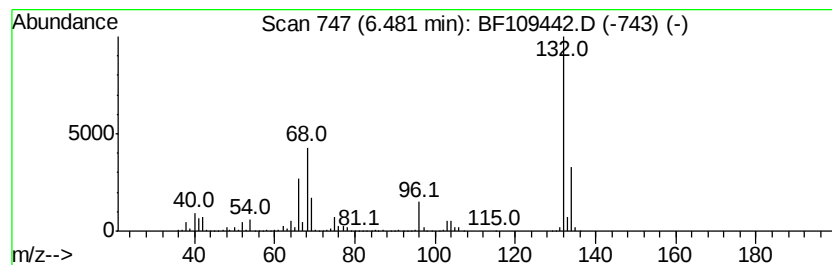
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 1 unknown6.48 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.48	66.70 ng	1983350	1,4-Dichlorobenzene-d4	6.71

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3		Tranvlcyproline-propionyl	189	C12H15NO	1000123-86-3	10
4		1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
5		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9



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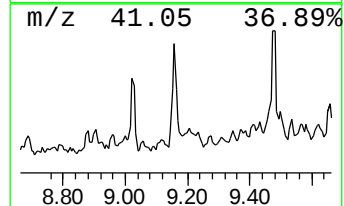
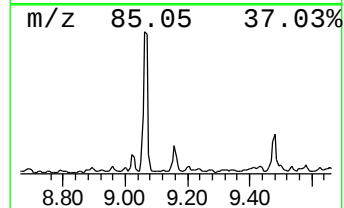
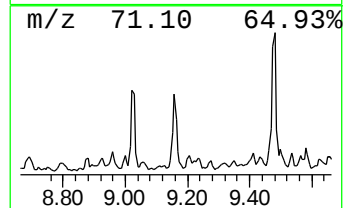
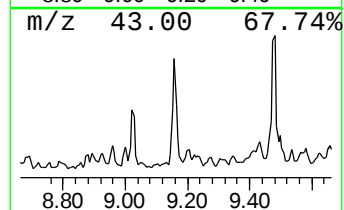
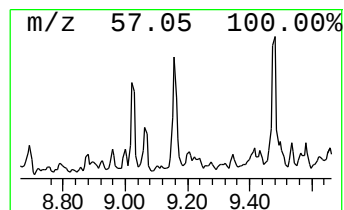
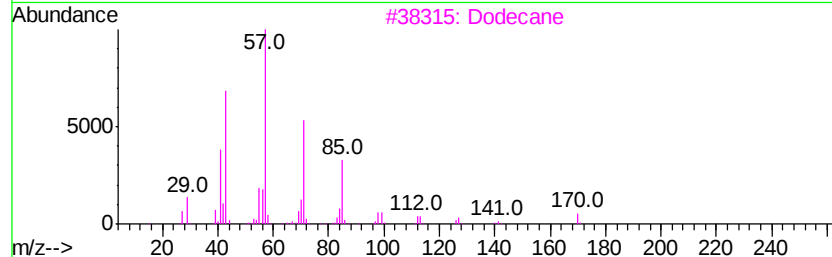
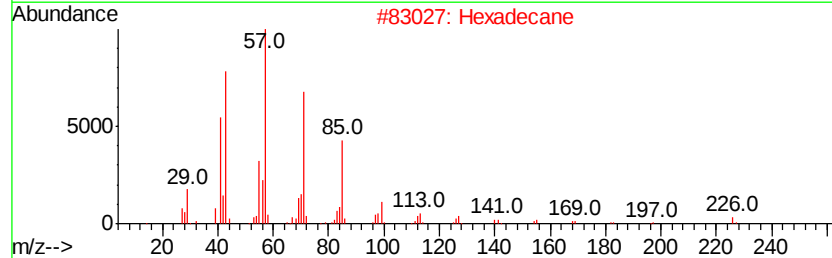
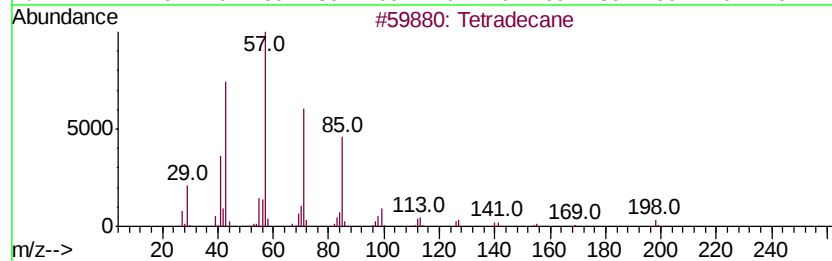
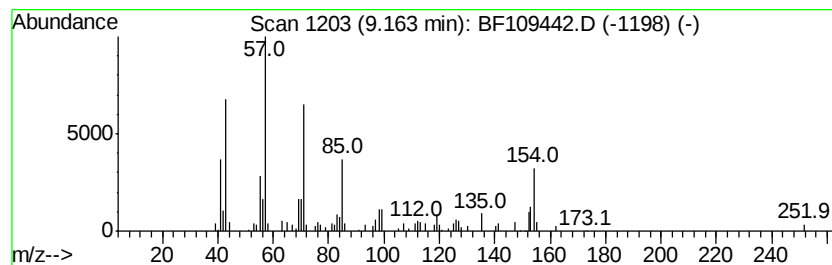
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 3 Tetradecane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.16	3.49 ng	119933	Acenaphthene-d10	9.74

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetradecane	198	C14H30	000629-59-4	87
2		Hexadecane	226	C16H34	000544-76-3	87
3		Dodecane	170	C12H26	000112-40-3	86
4		Tridecane	184	C13H28	000629-50-5	86
5		Pentadecane	212	C15H32	000629-62-9	80



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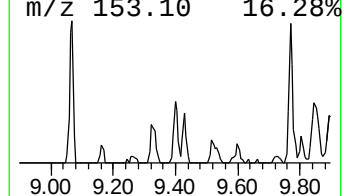
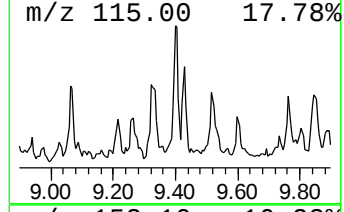
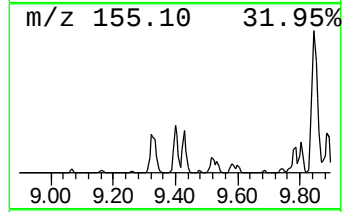
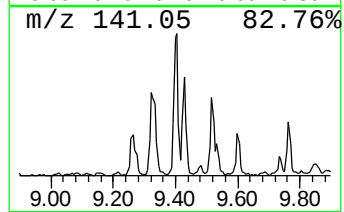
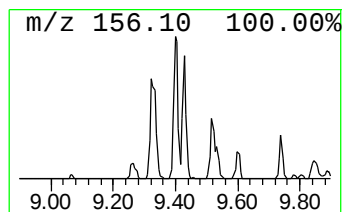
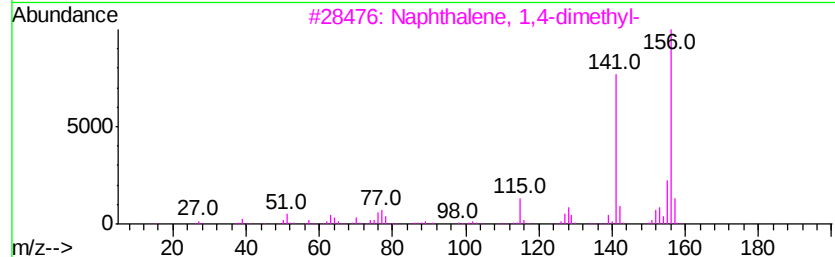
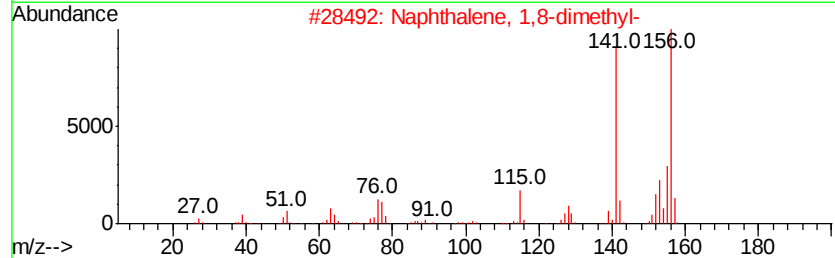
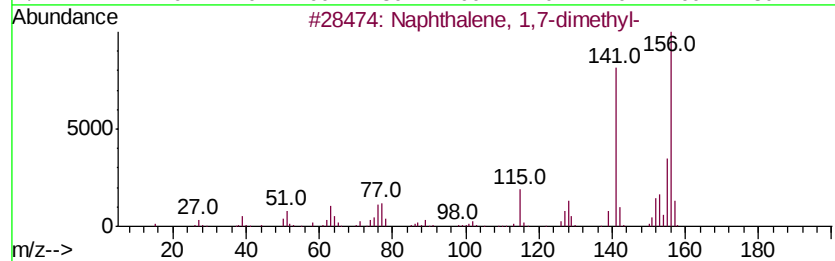
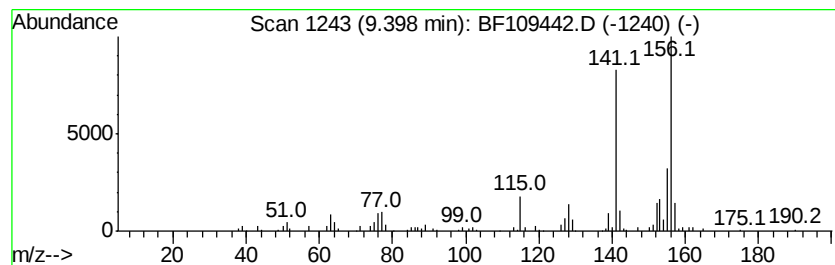
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Peak Number 5 Naphthalene, 1,7-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.40	4.21 ng	144977	Acenaphthene-d10	9.74

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
2		Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	97
3		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092818\
Data File : BF109442.D
Acq On : 28 Sep 2018 20:44
Operator : JU/SJ
Sample : J5118-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

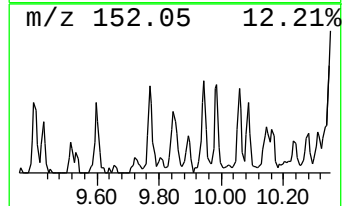
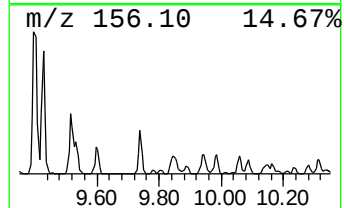
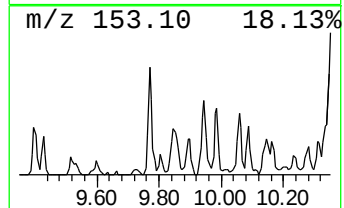
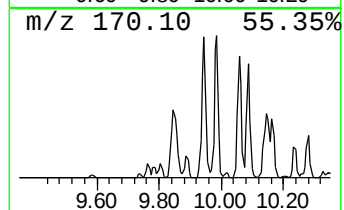
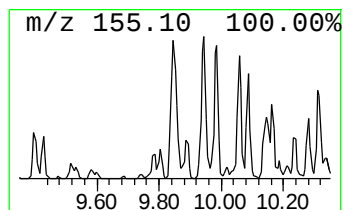
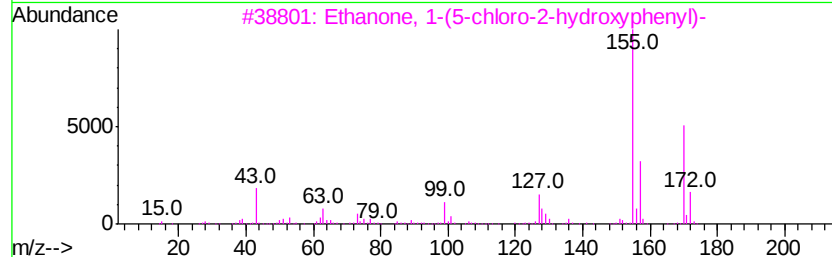
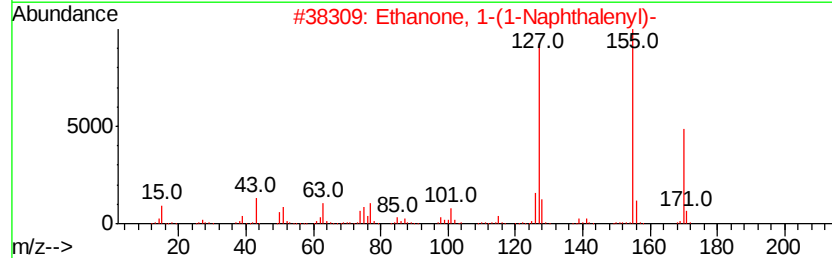
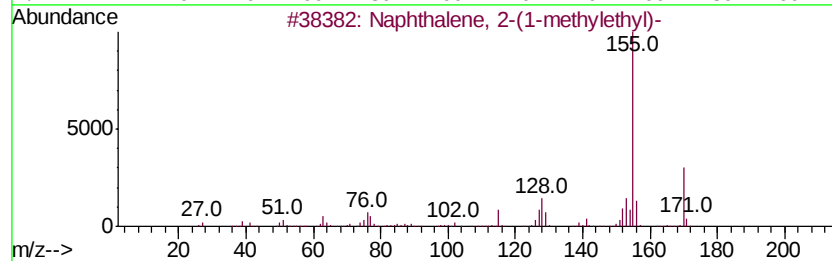
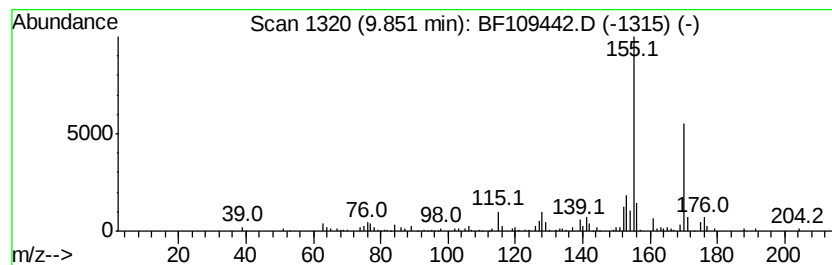
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ClientSampleId :
RA-092518-USTEXC-NW-R-064

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Naphthalene, 2-(1-methyleth... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.85	4.16 ng	143189	Acenaphthene-d10	9.74
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2-(1-methylethyl)-	170 C13H14	002027-17-0 94
2		Ethanone, 1-(1-Naphthalenyl)-	170 C12H10O	000941-98-0 72
3		Ethanone, 1-(5-chloro-2-hydroxyphenyl)-	170 C8H7ClO2	001450-74-4 72
4		2-Naphthyl methyl ketone	170 C12H10O	000093-08-3 72
5		Naphthalene, 1,6,7-trimethyl-	170 C13H14	002245-38-7 62



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092818\
Data File : BF109442.D
Acq On : 28 Sep 2018 20:44
Operator : JU/SJ
Sample : J5118-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

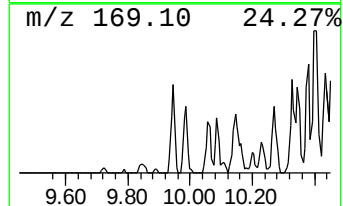
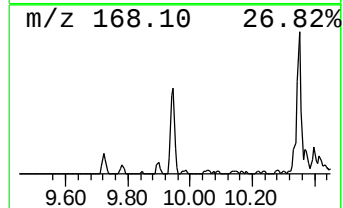
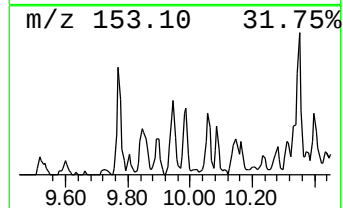
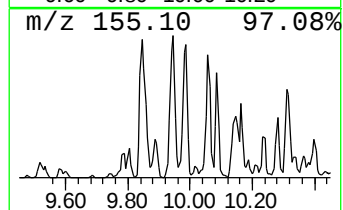
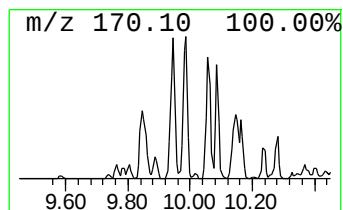
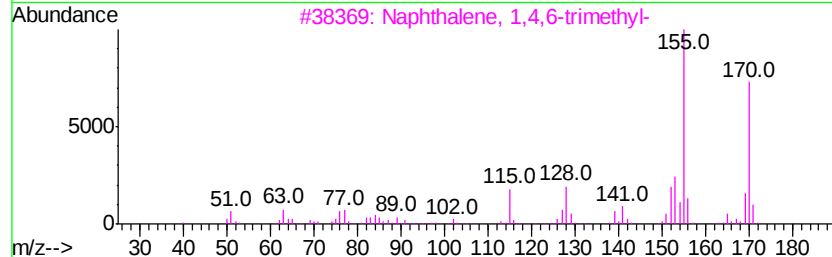
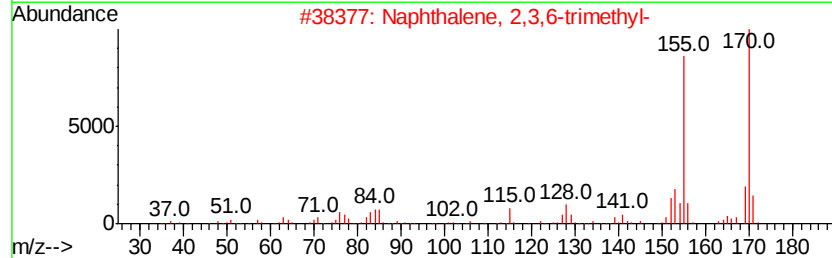
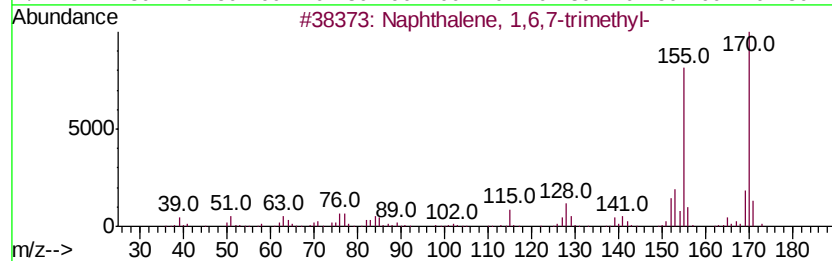
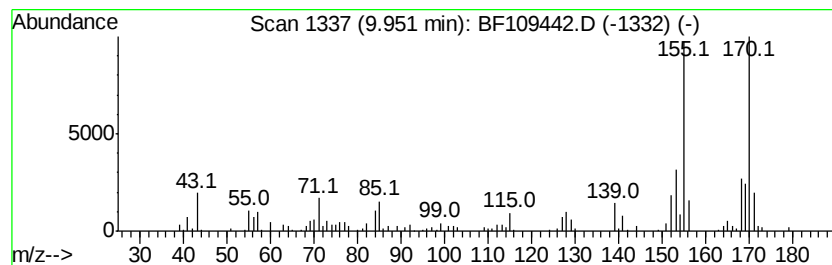
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Naphthalene, 1,6,7-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD		R.T.
9.95	5.54 ng	190492	Acenaphthene-d10		9.74
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
4	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	91
5	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092818\
Data File : BF109442.D
Acq On : 28 Sep 2018 20:44
Operator : JU/SJ
Sample : J5118-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
RA-092518-USTEXC-NW-R-064

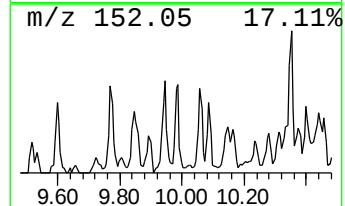
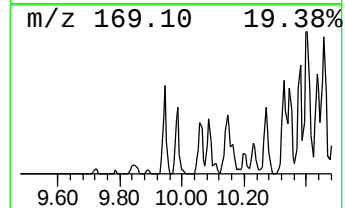
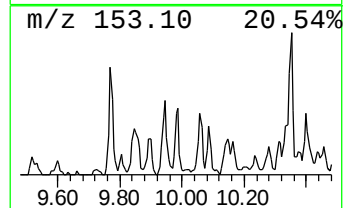
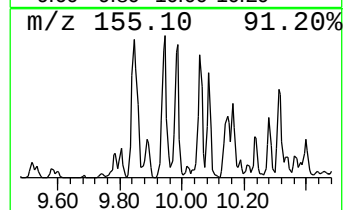
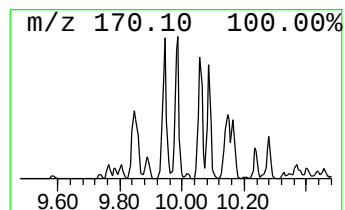
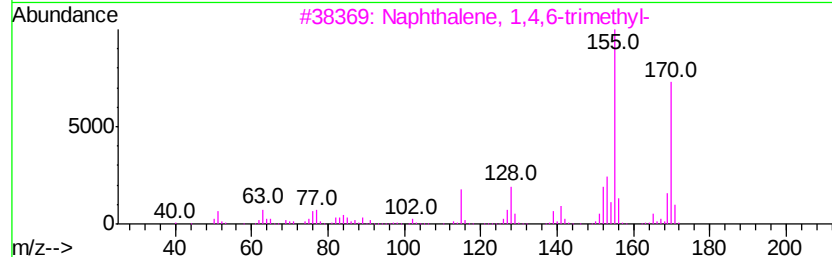
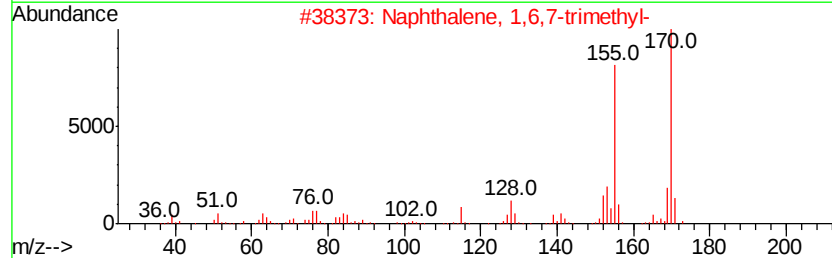
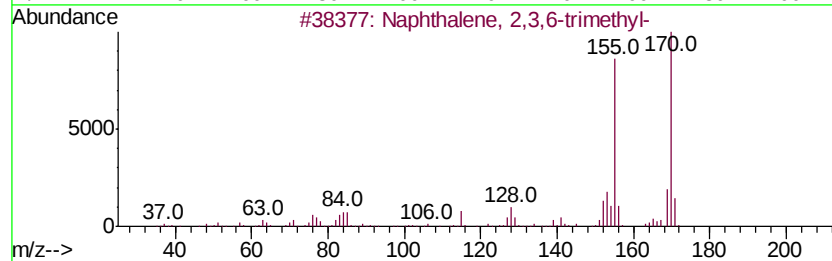
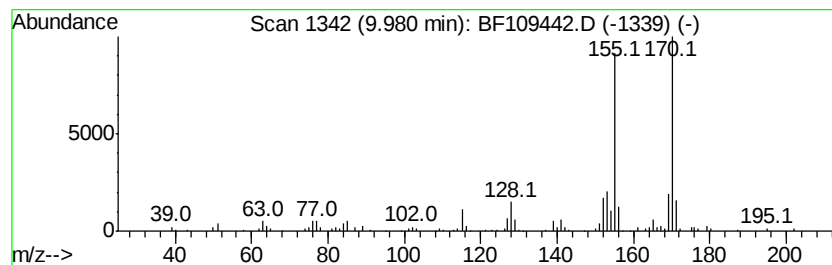
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Naphthalene, 2,3,6-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.98	3.49 ng	120056	Acenaphthene-d10	9.74

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
2		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
3		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
4		4,6,8-Trimethylazulene	170	C13H14	000941-81-1	94
5		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092818\
Data File : BF109442.D
Acq On : 28 Sep 2018 20:44
Operator : JU/SJ
Sample : J5118-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

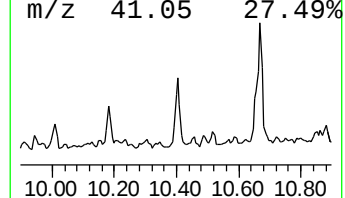
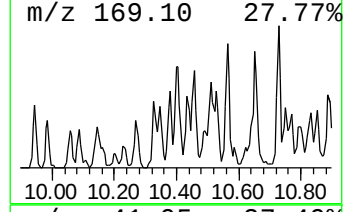
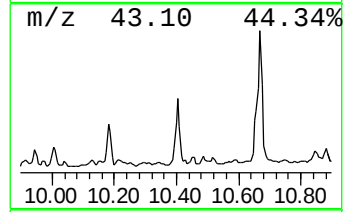
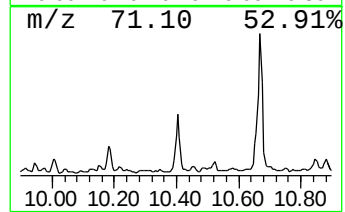
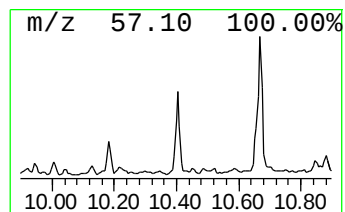
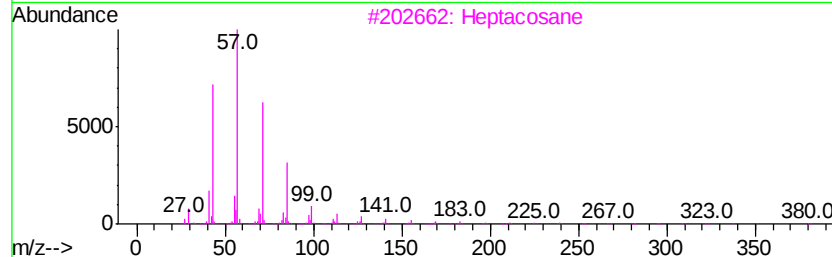
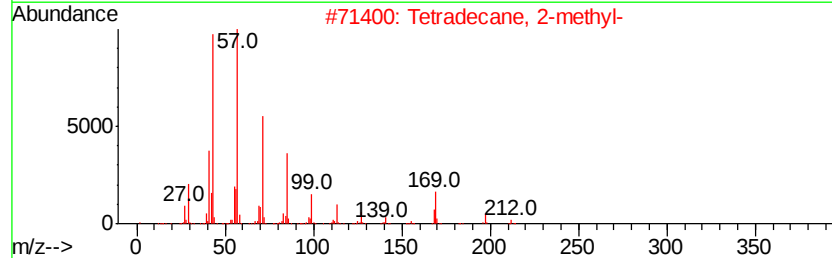
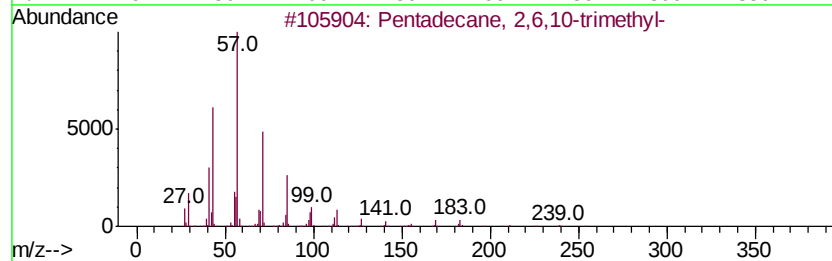
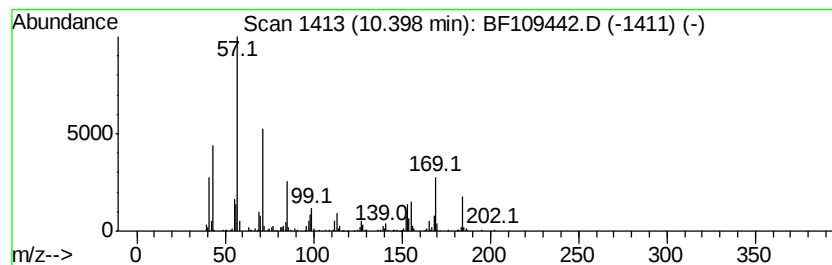
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Pentadecane, 2,6,10-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.40	8.13 ng	279629	Acenaphthene-d10		9.74	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane,	2,6,10-trimethyl-	254	C18H38	003892-00-0	72
2	Tetradecane,	2-methyl-	212	C15H32	001560-95-8	72
3	Heptacosane		380	C27H56	000593-49-7	64
4	Tridecane		184	C13H28	000629-50-5	58
5	Decane,	2-methyl-	156	C11H24	006975-98-0	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092818\
Data File : BF109442.D
Acq On : 28 Sep 2018 20:44
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Sample : J5118-02
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ALS Vial : 15 Sample Multiplier: 1

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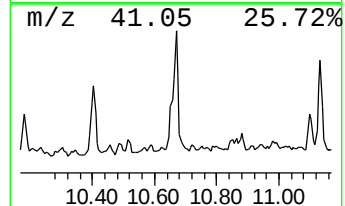
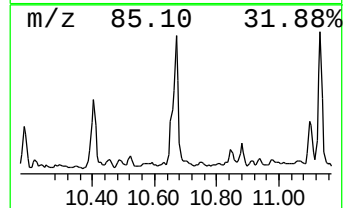
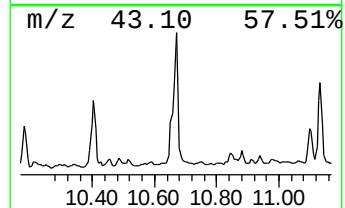
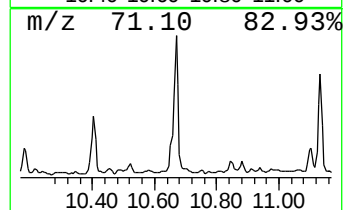
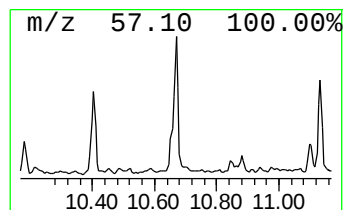
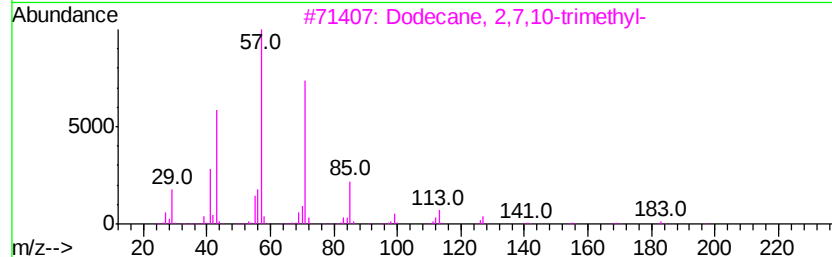
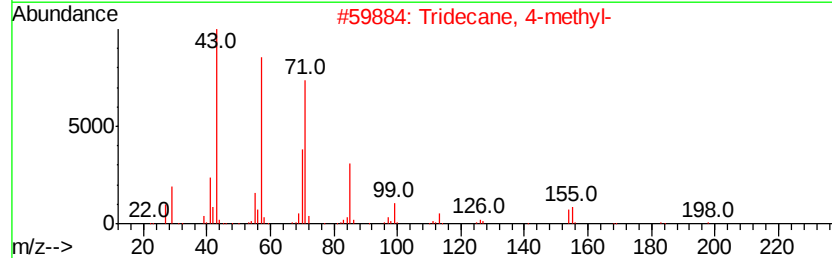
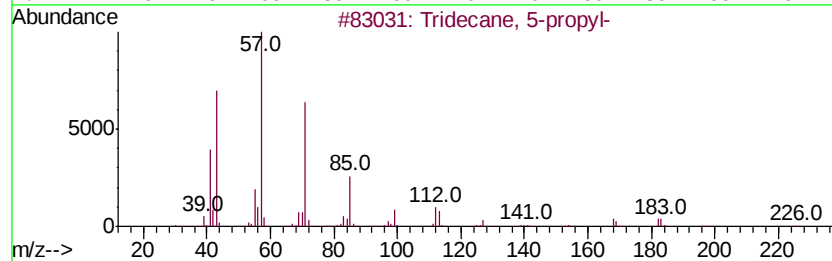
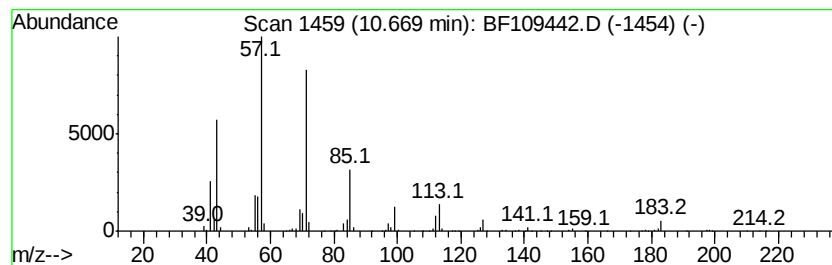
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Tridecane, 5-propyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.67	21.72 ng	611836	Phenanthrene-d10	11.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane, 5-propyl-	226	C16H34	055045-11-9	90
2		Tridecane, 4-methyl-	198	C14H30	026730-12-1	87
3		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	86
4		Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	83
5		Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	80



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092818\
Data File : BF109442.D
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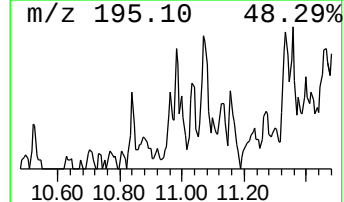
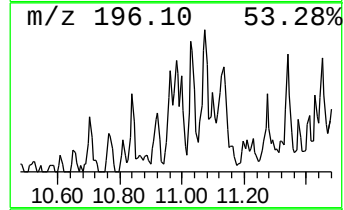
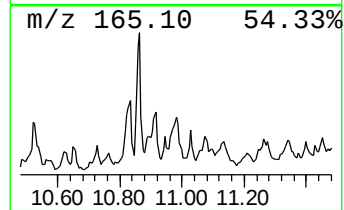
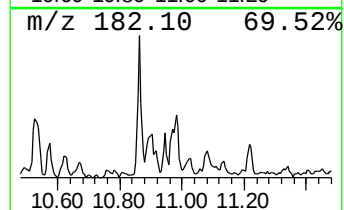
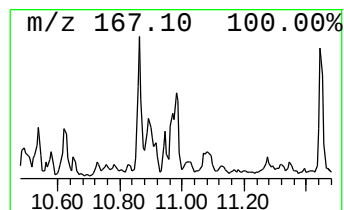
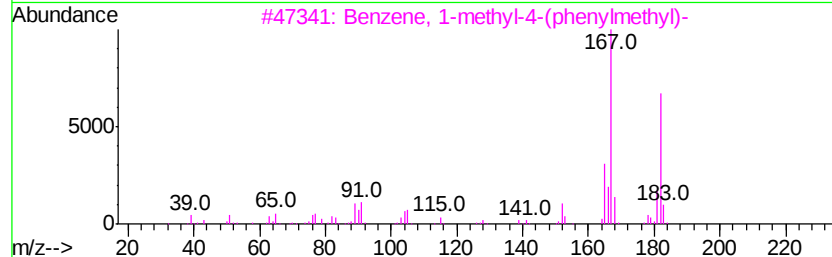
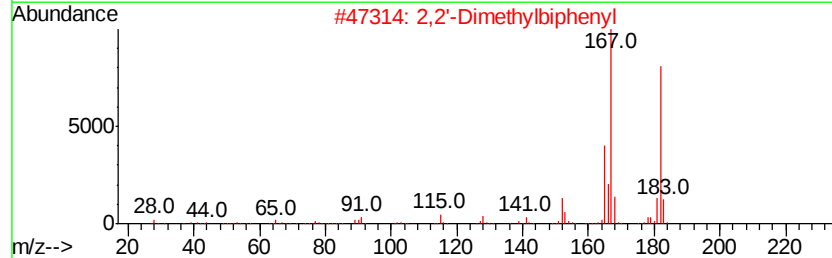
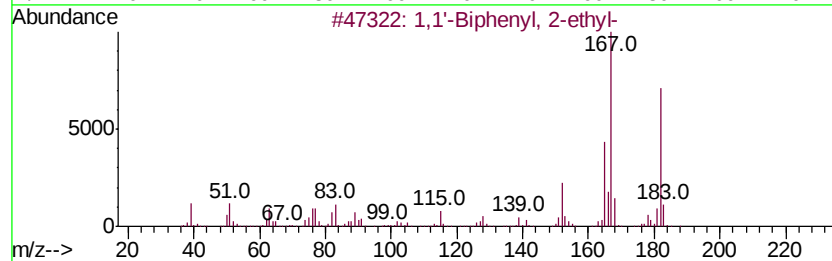
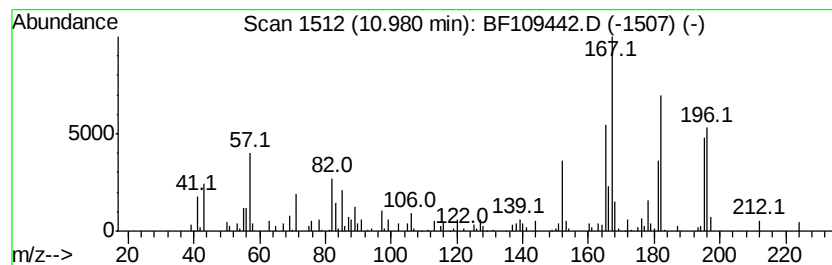
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 1,1'-Biphenyl, 2-ethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.98	6.36 ng	179132	Phenanthrene-d10	11.22	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-ethyl-	182	C14H14	001812-51-7	78
2	2,2'-Dimethylbiphenyl	182	C14H14	000605-39-0	58
3	Benzene, 1-methyl-4-(phenylmethyl)-	182	C14H14	000620-83-7	55
4	Benzene, 1-ethyl-3-(phenylmethyl)-	196	C15H16	028122-24-9	53
5	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092818\
Data File : BF109442.D
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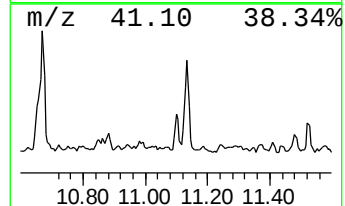
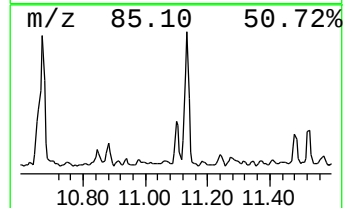
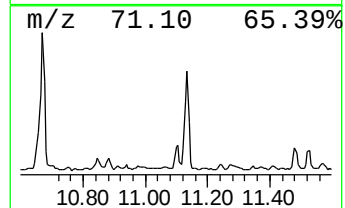
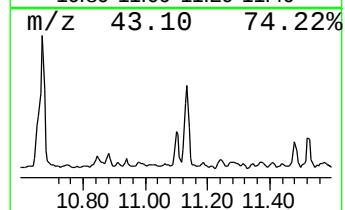
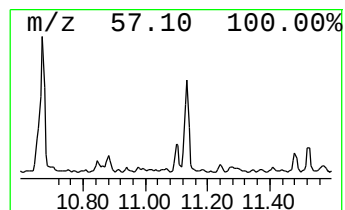
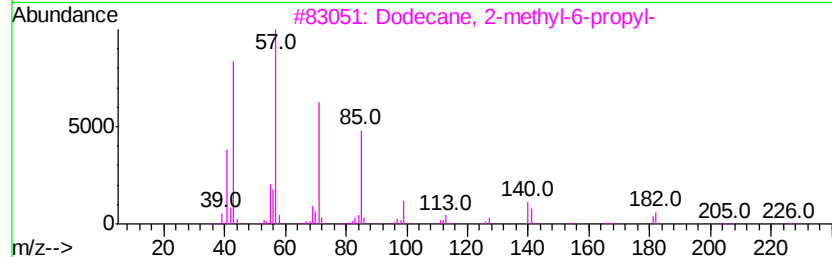
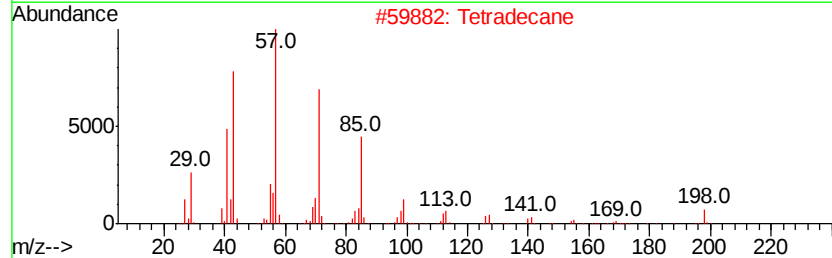
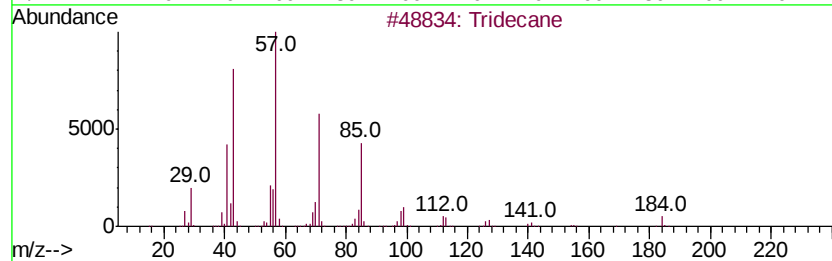
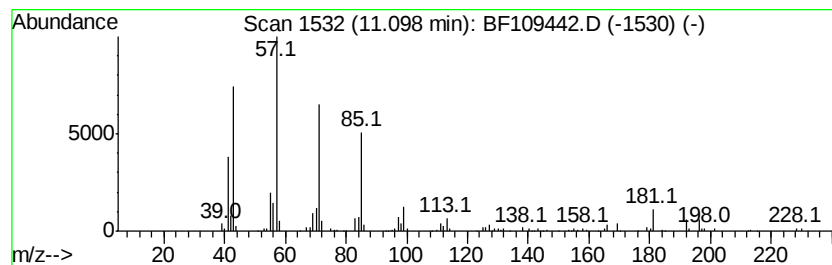
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Tridecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.10	5.19 ng	146165	Phenanthrene-d10	11.22	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	76
2	Tetradecane	198	C14H30	000629-59-4	74
3	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	72
4	Heneicosane	296	C21H44	000629-94-7	68
5	Tetracosane	338	C24H50	000646-31-1	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092818\
Data File : BF109442.D
Acq On : 28 Sep 2018 20:44
Operator : JU/SJ
Sample : J5118-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
RA-092518-USTEXC-NW-R-064

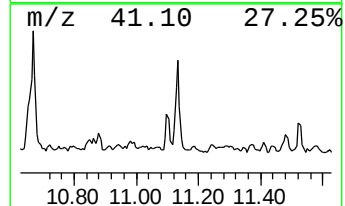
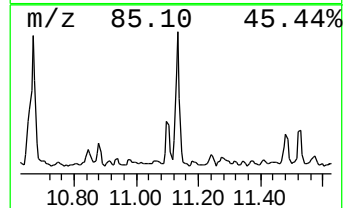
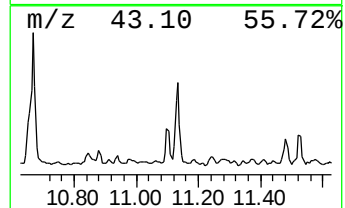
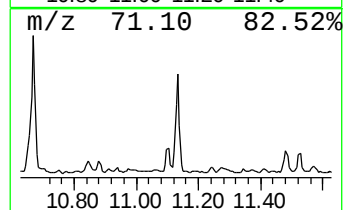
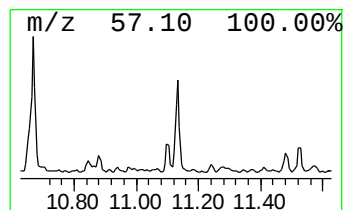
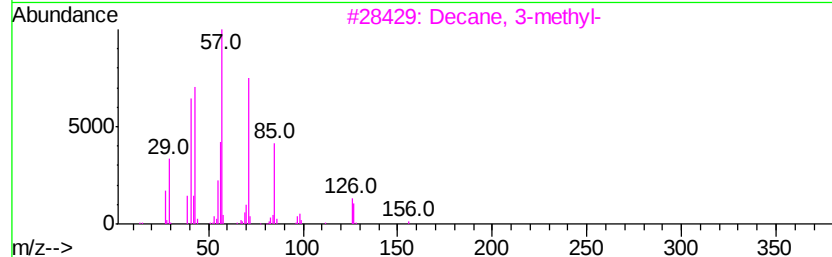
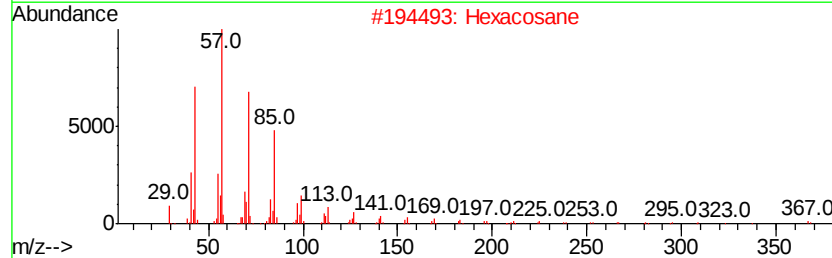
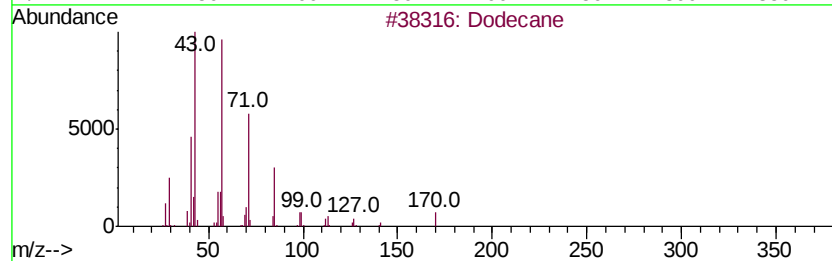
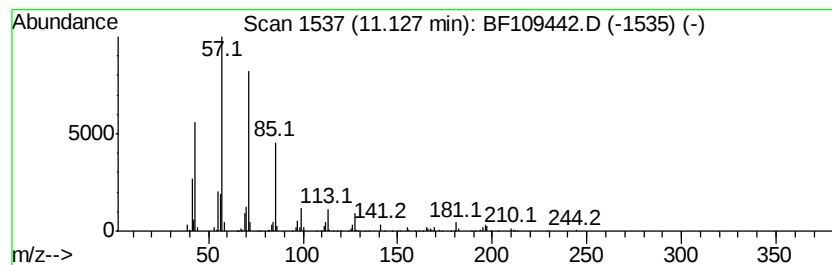
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Dodecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.13	14.39 ng	405419	Phenanthrene-d10	11.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane	170	C12H26	000112-40-3	87
2		Hexacosane	366	C26H54	000630-01-3	86
3		Decane, 3-methyl-	156	C11H24	013151-34-3	83
4		Tritetracontane	605	C43H88	007098-21-7	83
5		Undecane, 5-methyl-	170	C12H26	001632-70-8	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092818\
Data File : BF109442.D
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Operator : JU/SJ
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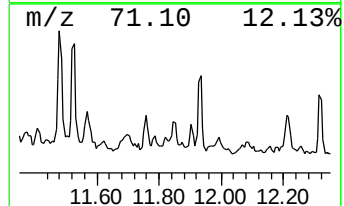
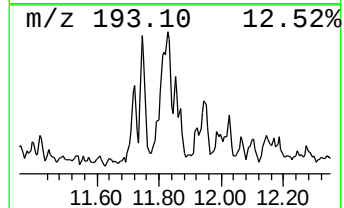
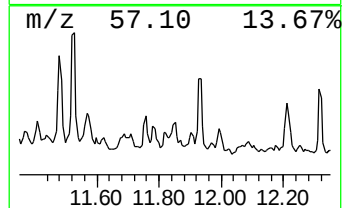
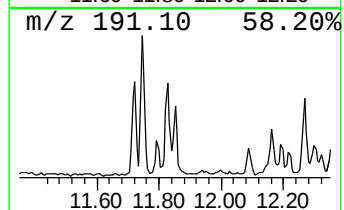
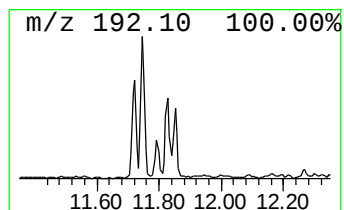
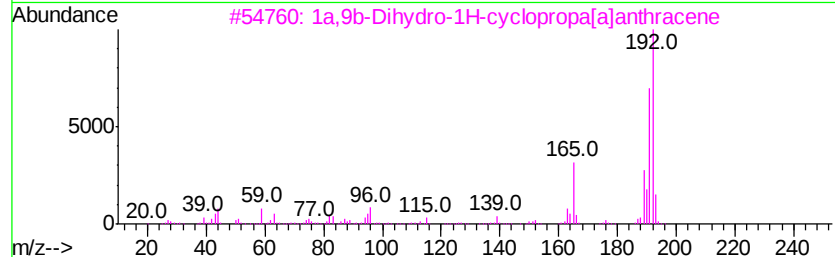
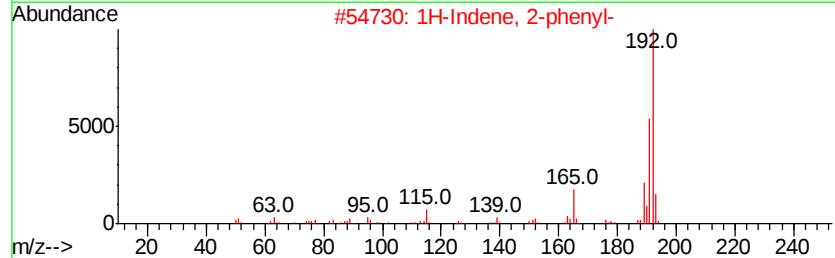
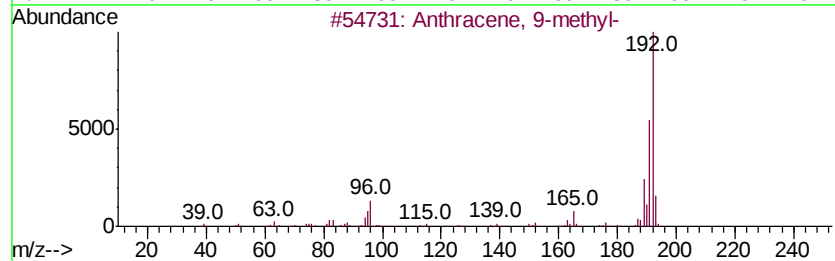
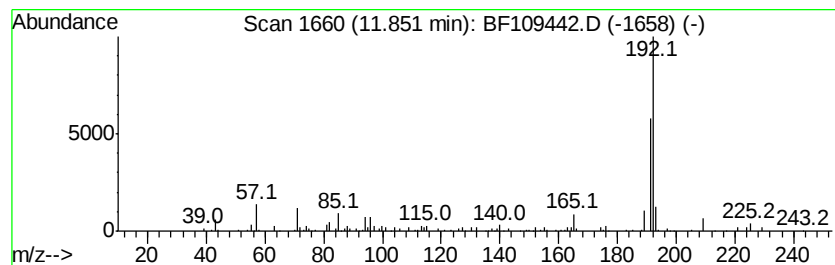
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Anthracene, 9-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	3.77 ng	106101	Phenanthrene-d10	11.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	80
2		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	72
3		1a,9b-Dihydro-1H-cyclopropa[an...	192	C15H12	006109-24-6	64
4		Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	64
5		3,4-Methylenedioxycinnamic acid	192	C10H8O4	002373-80-0	59



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092818\
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Sample : J5118-02
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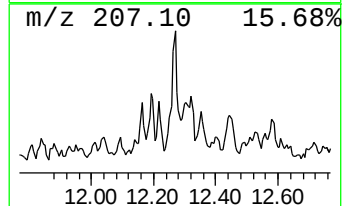
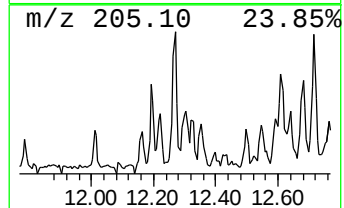
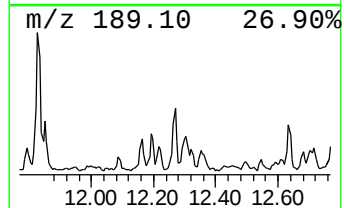
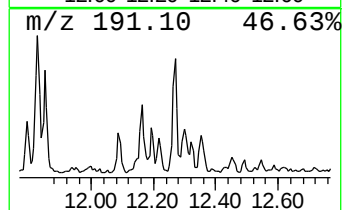
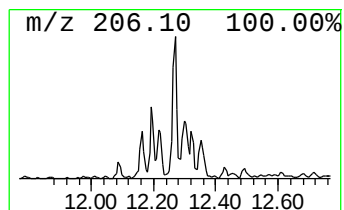
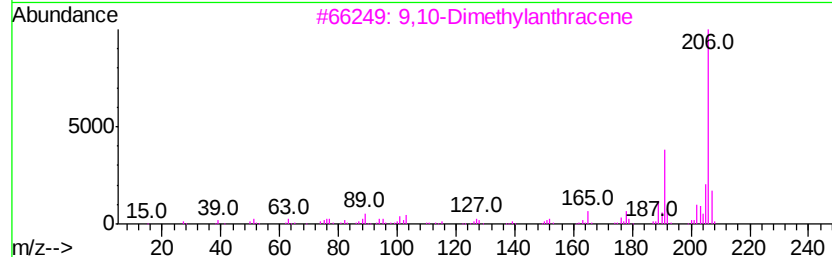
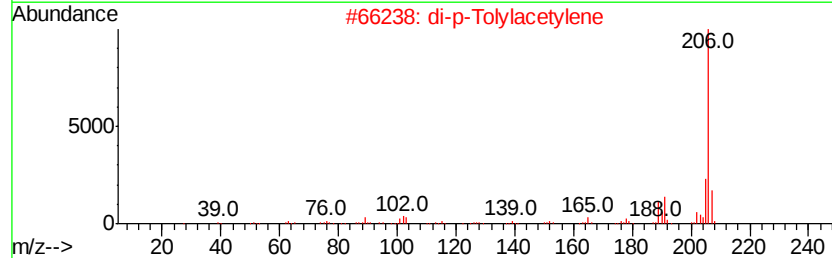
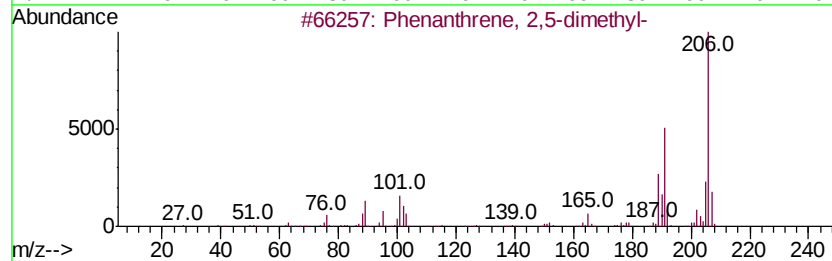
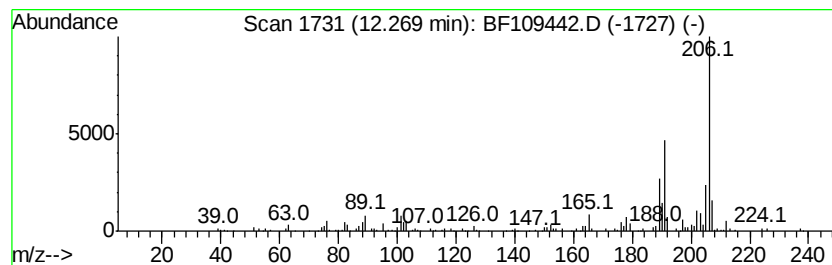
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	4.61 ng	129757	Phenanthrene-d10	11.22

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2			di-p-Tolylacetylene	206	C16H14	002789-88-0	91
3			9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
5			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092818\
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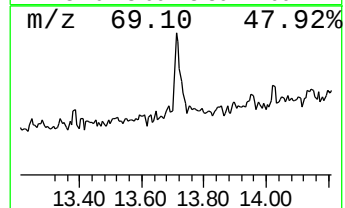
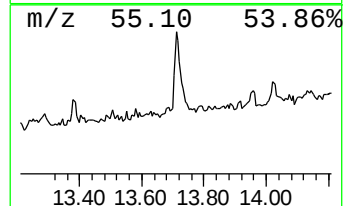
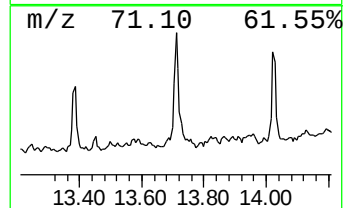
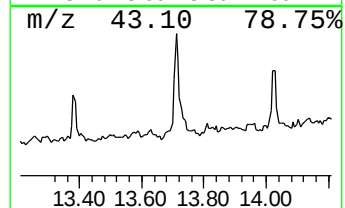
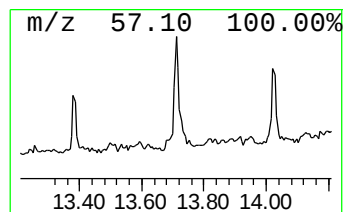
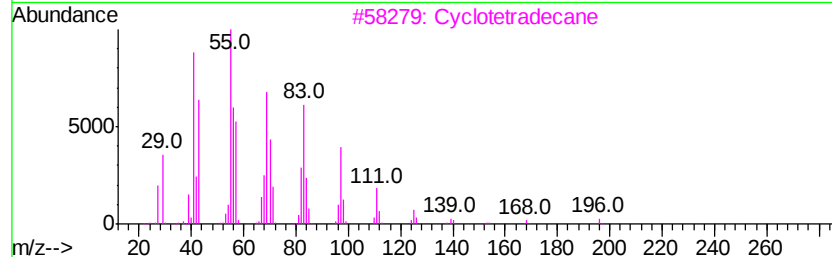
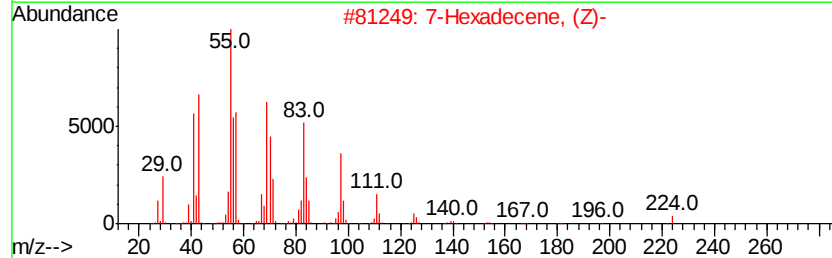
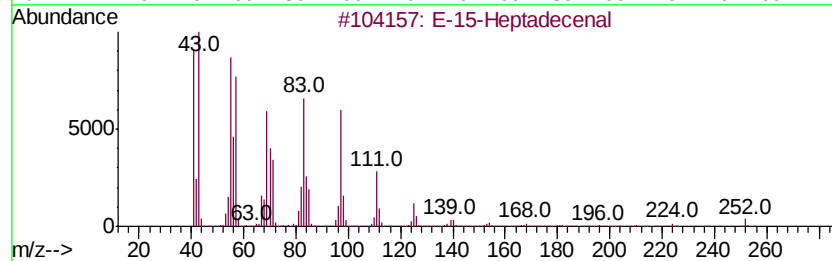
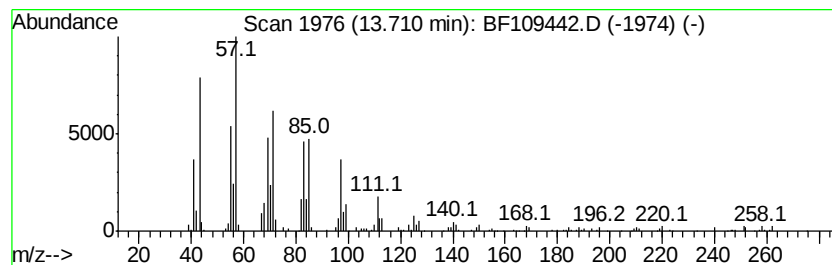
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 E-15-Heptadecenal Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD		R.T.
13.71	4.72 ng	155489	Chrysene-d12		13.84
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	E-15-Heptadecenal	252	C17H32O	1000130-97-9	95
2	7-Hexadecene, (Z)-	224	C16H32	035507-09-6	91
3	Cyclotetradecane	196	C14H28	000295-17-0	90
4	Cyclohexadecane	224	C16H32	000295-65-8	90
5	1-Decanol, 2-octyl-	270	C18H38O	045235-48-1	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092818\
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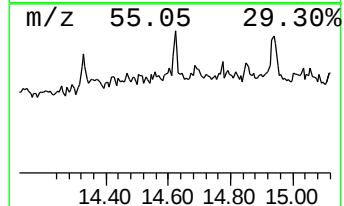
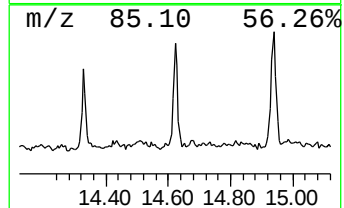
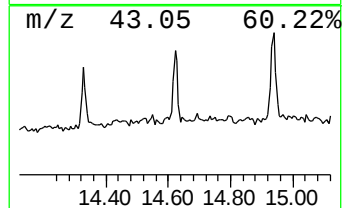
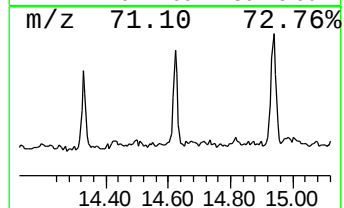
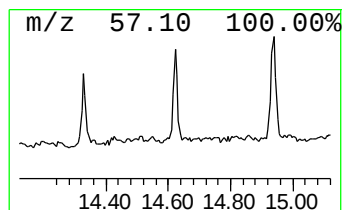
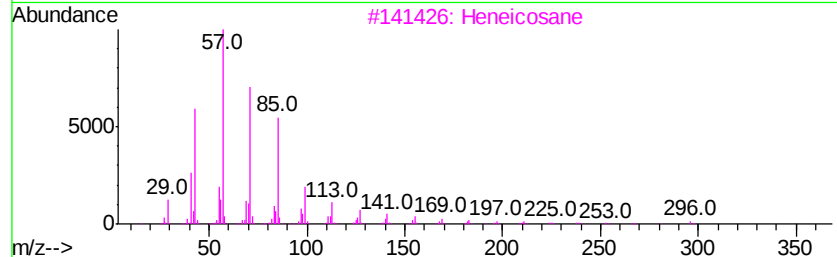
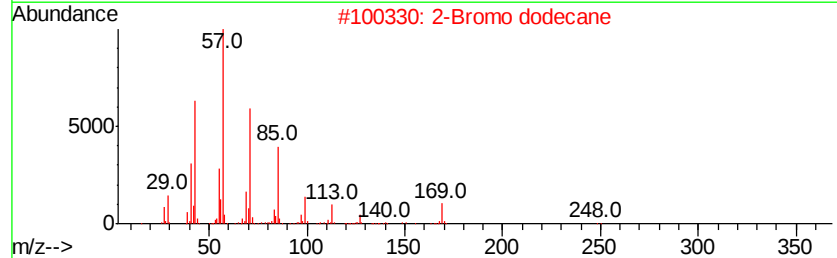
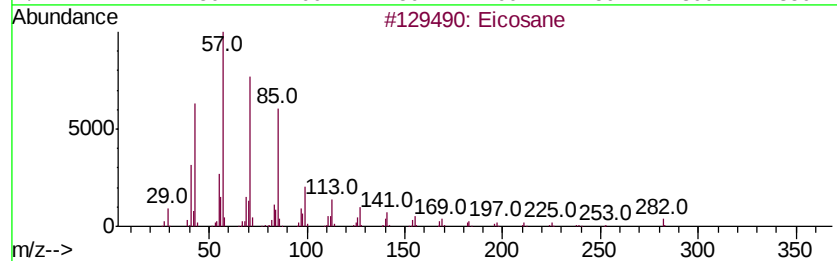
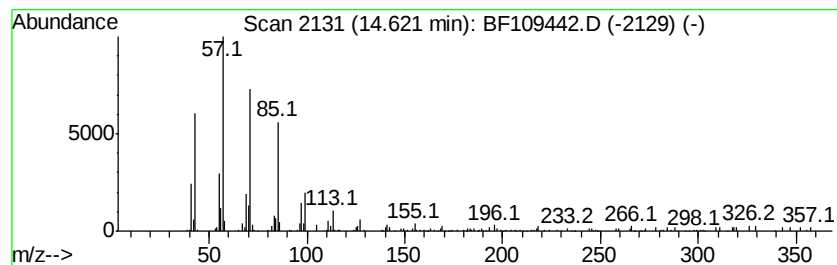
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Eicosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.62	7.37 ng	125107	Perylene-d12	15.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Eicosane	282	C20H42	000112-95-8	93
2		2-Bromo dodecane	248	C12H25Br	013187-99-0	90
3		Heneicosane	296	C21H44	000629-94-7	87
4		Octadecane, 1-iodo-	380	C18H37I	000629-93-6	83
5		Hexadecane	226	C16H34	000544-76-3	72



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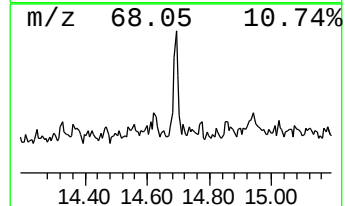
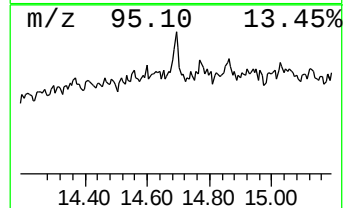
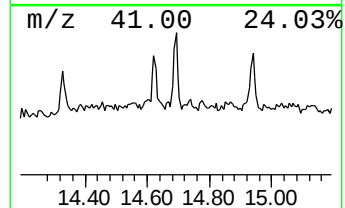
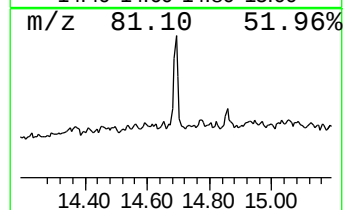
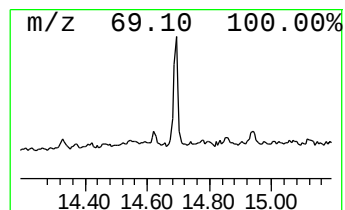
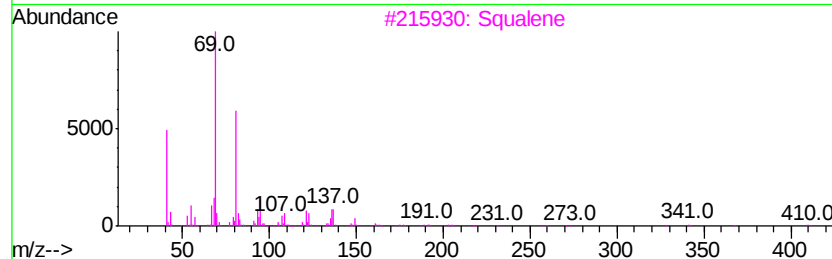
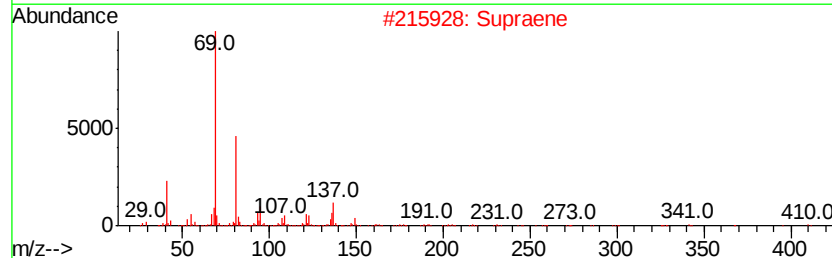
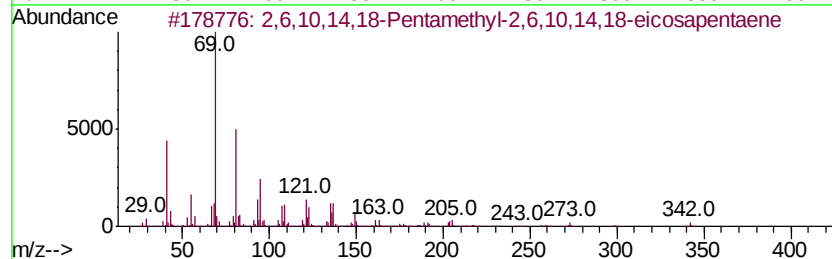
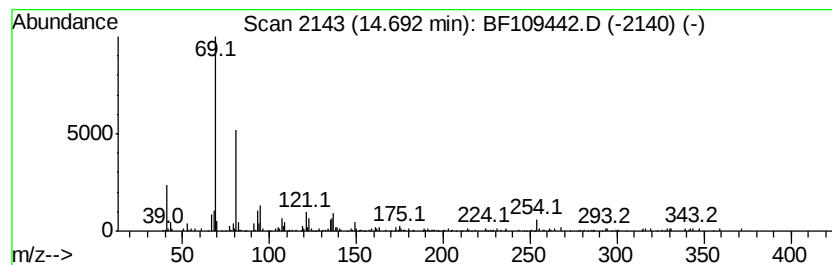
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 2,6,10,14,18-Pentamethyl-2,... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	7.26 ng	123232	Perylene-d12	15.25

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6,10,14,18-Pentamethyl-2,6,10,...	342	C25H42	075581-03-2	91		
2	Supraene	410	C30H50	007683-64-9	83		
3	Squalene	410	C30H50	000111-02-4	83		
4	4,9,13,17-Tetramethyl-4,8,12,16-...	316	C22H36O	056882-09-8	72		
5	2,6,10,14-Hexadecatetraenoic aci...	332	C22H36O2	024035-35-6	59		



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RA-092518-USTEXC-NW-R-064

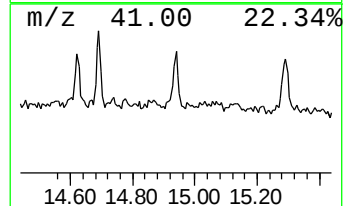
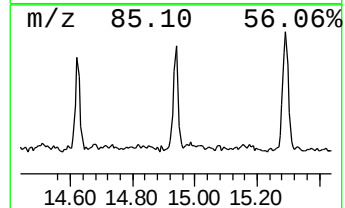
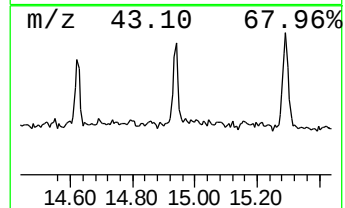
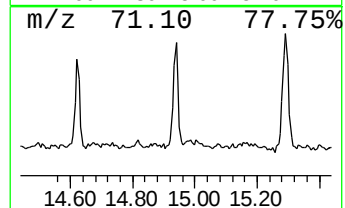
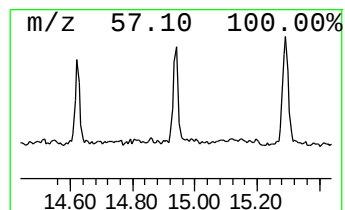
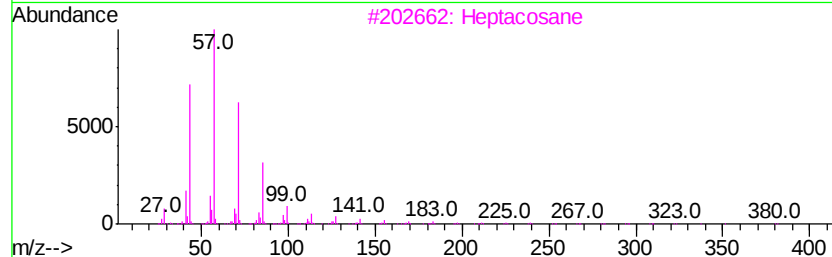
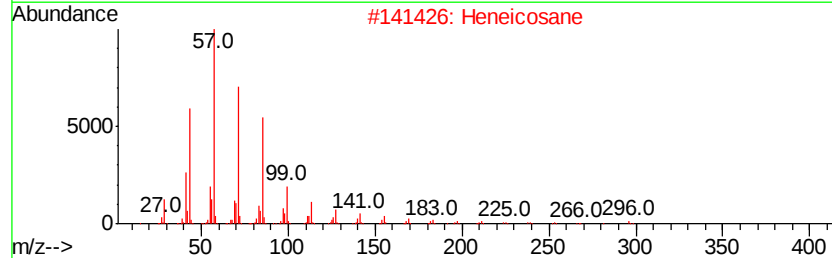
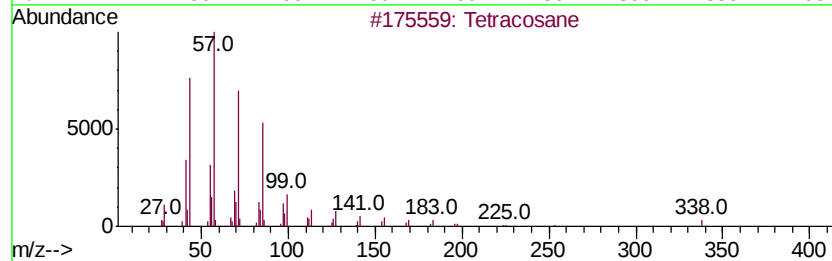
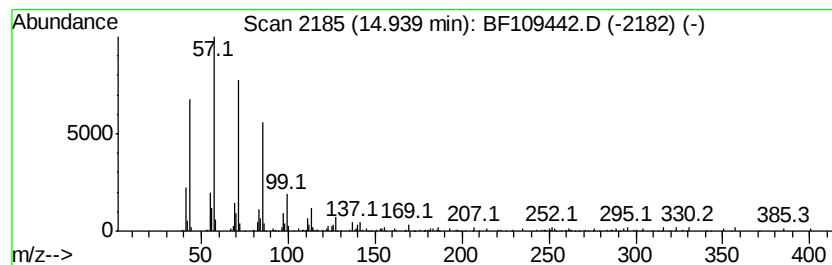
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Tetracosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.94	10.40 ng	176620	Perylene-d12	15.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetracosane	338	C24H50	000646-31-1	91
2		Heneicosane	296	C21H44	000629-94-7	91
3		Heptacosane	380	C27H56	000593-49-7	91
4		Eicosane, 7-hexyl-	366	C26H54	055333-99-8	90
5		5-Ethyl-5-methylnonadecane	310	C22H46	1000360-42-7	80



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092818\
Data File : BF109442.D
Acq On : 28 Sep 2018 20:44
Operator : JU/SJ
Sample : J5118-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RA-092518-USTEXC-NW-R-064

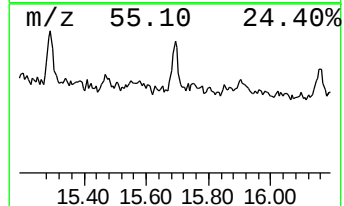
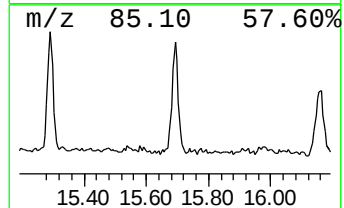
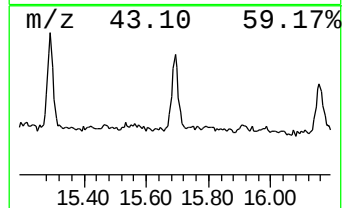
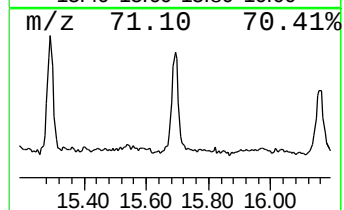
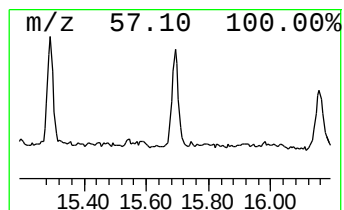
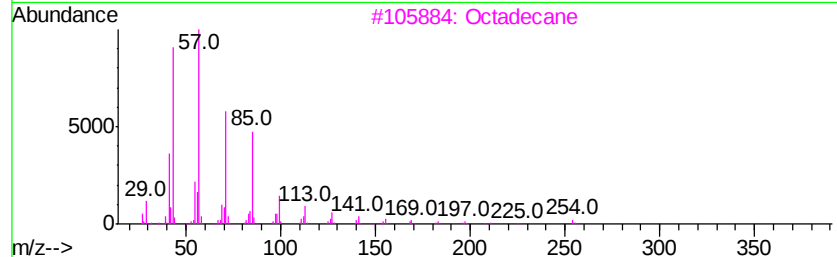
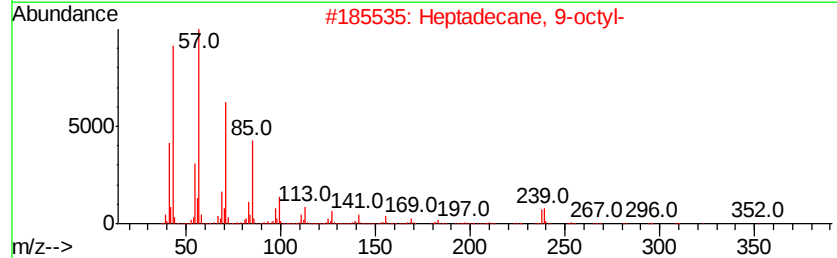
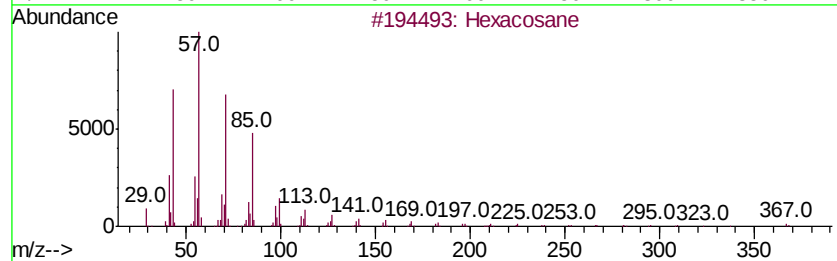
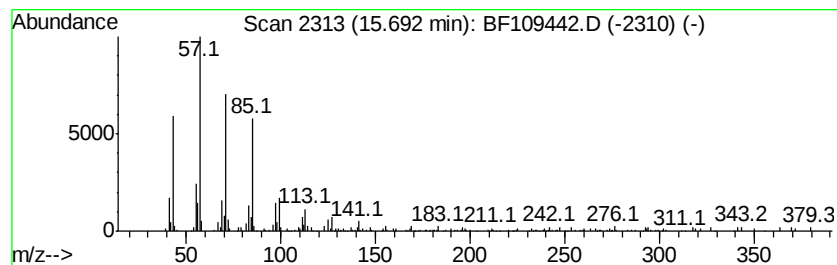
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Hexacosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.69	8.22 ng	139565	Perylene-d12	15.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexacosane	366	C26H54	000630-01-3	90
2		Heptadecane, 9-octyl-	352	C25H52	007225-64-1	87
3		Octadecane	254	C18H38	000593-45-3	87
4		Heneicosane	296	C21H44	000629-94-7	87
5		Tetracosane	338	C24H50	000646-31-1	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092818\
 Data File : BF109442.D
 Acq On : 28 Sep 2018 20:44
 Operator : JU/SJ
 Sample : J5118-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RA-092518-USTEXC-NW-R-064

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown6.48	6.48	66.7	ng	1983350	1	6.71	594687	20.0
Tetradecane	9.16	3.5	ng	119933	3	9.74	688191	20.0
Naphthalene, 1,7-...	9.40	4.2	ng	144977	3	9.74	688191	20.0
Naphthalene, 2-(1...	9.85	4.2	ng	143189	3	9.74	688191	20.0
Naphthalene, 1,6,...	9.95	5.5	ng	190492	3	9.74	688191	20.0
Naphthalene, 2,3,...	9.98	3.5	ng	120056	3	9.74	688191	20.0
Pentadecane, 2,6,...	10.40	8.1	ng	279629	3	9.74	688191	20.0
Tridecane, 5-propyl-	10.67	21.7	ng	611836	4	11.22	563459	20.0
1,1'-Biphenyl, 2-...	10.98	6.4	ng	179132	4	11.22	563459	20.0
Tridecane	11.10	5.2	ng	146165	4	11.22	563459	20.0
Dodecane	11.13	14.4	ng	405419	4	11.22	563459	20.0
Anthracene, 9-met...	11.85	3.8	ng	106101	4	11.22	563459	20.0
Phenanthrene, 2,5...	12.27	4.6	ng	129757	4	11.22	563459	20.0
E-15-Heptadecenal	13.71	4.7	ng	155489	5	13.84	658390	20.0
Eicosane	14.62	7.4	ng	125107	6	15.25	339675	20.0
2,6,10,14,18-Pent...	14.69	7.3	ng	123232	6	15.25	339675	20.0
Tetracosane	14.94	10.4	ng	176620	6	15.25	339675	20.0
Hexacosane	15.69	8.2	ng	139565	6	15.25	339675	20.0