LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
Data File : BF117527.D
Acq On : 24 Oct 2019 22:52
Operator : JU
Sample : K5498-19 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 193-68-(0-1)

Integration Parameters: rteint.p
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

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

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.357	553	556	577	rBV	411294	517443	78.00%	4.655%
2	5.563	587	591	596	rBV	15898	23487	3.54%	0.211%
3	6.392	729	732	749	rBV	377666	611726	92.21%	5.503%
4	6.510	749	752	759	rVV	584264	620917	93.60%	5.585%
5	6.569	759	762	766	rVV	50066	55324	8.34%	0.498%
6	6.610	766	769	776	rVB	19871	24007	3.62%	0.216%
7	6.734	787	790	801	rBV	320810	279518	42.13%	2.514%
8	6.810	801	803	807	rVB2	11365	8961	1.35%	0.081%
9	6.887	813	816	831	rBV	458796	450614	67.93%	4.053%
10	6.998	831	835	843	rVV	23503	31281	4.72%	0.281%
11	7.298	883	886	893	rBV	351810	333525	50.28%	3.000%
12	7.357	893	896	901	rVV2	15779	26435	3.98%	0.238%
13	7.398	901	903	912	rVB3	7224	12653	1.91%	0.114%
14	7.498	917	920	924	rVB	14046	10515	1.59%	0.095%
15	7.592	929	936	949	rBV	78982	91283	13.76%	0.821%
16	7.775	962	967	969	rBV	14825	16147	2.43%	0.145%
17	7.816	969	974	983	rVB	26210	36382	5.48%	0.327%
18	8.016	1004	1008	1020	rBV	420638	368000	55.47%	3.310%
19	8.234	1042	1045	1051	rBV	90885	77844	11.73%	0.700%
20	8.292	1051	1055	1061	rVB	93357	86073	12.97%	0.774%
21	8.722	1123	1128	1136	rBV2	33673	45935	6.92%	0.413%
22	8.786	1136	1139	1143	rBV	26284	20113	3.03%	0.181%
23	8.828	1143	1146	1149	rBV	23940	20042	3.02%	0.180%
24	8.898	1155	1158	1161	rBV	16366	13022	1.96%	0.117%
25	9.010	1174	1177	1187	rBV	24768	23165	3.49%	0.208%
26	9.086	1187	1190	1200	rVB	778154	663391	100.00%	5.967%
27	9.245	1214	1217	1221	rVB	14393	14691	2.21%	0.132%
28	9.428	1245	1248	1251	rBV2	14378	14723	2.22%	0.132%
29	9.486	1255	1258	1264	rVB	81330	73090	11.02%	0.657%
30	9.628	1280	1282	1286	rBV	14625	13307	2.01%	0.120%
31	9.769	1302	1306	1309	rVV	448547	392945	59.23%	3.535%
32	9.798	1309	1311	1316	rVB	33298	30278	4.56%	0.272%
33	9.975	1339	1341	1345	rVB3	12037	12802	1.93%	0.115%
34	10.010	1345	1347	1353	rVB5	5372	8414	1.27%	0.076%

LSC Area Percent Report

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Data File : BF117527.D
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Operator : JU
Sample : K5498-19 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 193-68-(0-1)

Integration Parameters: rteint.p
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

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

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.116	1361	1365	1369	rVB6	4654	8458	1.27%	0.076%
36	10.175	1369	1375	1376	rBV3	9514	14016	2.11%	0.126%
37	10.192	1376	1378	1381	rVB2	9907	10417	1.57%	0.094%
38	10.316	1396	1399	1404	rBV	26930	24888	3.75%	0.224%
39	10.557	1437	1440	1446	rBV	295175	302365	45.58%	2.720%
40	10.686	1460	1462	1467	rVB3	9940	15020	2.26%	0.135%
41	10.869	1489	1493	1495	rBV3	8456	13757	2.07%	0.124%
42	10.922	1499	1502	1505	rBV4	11355	12768	1.92%	0.115%
43	10.992	1512	1514	1517	rBV3	8526	9669	1.46%	0.087%
44	11.069	1521	1527	1531	rBV	11643	14068	2.12%	0.127%
45	11.116	1531	1535	1538	rBV	117511	95074	14.33%	0.855%
46	11.151	1538	1541	1543	rVV2	16546	14846	2.24%	0.134%
47	11.175	1543	1545	1547	rVB	34531	24649	3.72%	0.222%
48	11.251	1555	1558	1561	rBV	319700	335944	50.64%	3.022%
49	11.275	1561	1562	1566	rVV	272178	229960	34.66%	2.069%
50	11.333	1569	1572	1575	rVV	52234	49782	7.50%	0.448%
51	11.369	1575	1578	1584	rVV7	7768	12437	1.87%	0.112%
52	11.492	1595	1599	1604	rBV2	24867	36214	5.46%	0.326%
53	11.586	1611	1615	1621	rVB4	10448	22187	3.34%	0.200%
54	11.663	1624	1628	1632	rVB6	8367	13480	2.03%	0.121%
55	11.716	1634	1637	1640	rBV5	7366	10121	1.53%	0.091%
56	11.757	1640	1644	1646	rBV	59776	53844	8.12%	0.484%
57	11.786	1646	1649	1652	rVV	172322	174061	26.24%	1.566%
58	11.833	1655	1657	1659	rVV	20694	16041	2.42%	0.144%
59	11.869	1659	1663	1665	rVV	63802	68129	10.27%	0.613%
60	11.892	1665	1667	1669	rVB	34660	25827	3.89%	0.232%
61	12.051	1691	1694	1697	rVB	28782	23158	3.49%	0.208%
62	12.092	1699	1701	1704	rVV3	23587	24563	3.70%	0.221%
63	12.198	1715	1719	1722	rBV5	20985	25339	3.82%	0.228%
64	12.233	1722	1725	1727	rBV3	22425	18766	2.83%	0.169%
65	12.310	1734	1738	1740	rBV	40129	41858	6.31%	0.377%
66	12.339	1740	1743	1746	rVV4	32397	33537	5.06%	0.302%
67	12.369	1746	1748	1750	rVB2	23374	16974	2.56%	0.153%
68	12.404	1750	1754	1758	rVB3	28333	36983	5.57%	0.333%
69	12.469	1761	1765	1769	rBV	405371	378273	57.02%	3.403%
70	12.533	1774	1776	1779	rVV3	17058	19999	3.01%	0.180%
71	12.569	1779	1782	1787	rVV4	53864	71526	10.78%	0.643%

LSC Area Percent Report

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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 193-68-(0-1)

Integration Parameters: rteint.p
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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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.621	1788	1791	1794	rVV4	30489	37803	5.70%	0.340%
73	12.698	1798	1804	1811	rVV	353652	424113	63.93%	3.815%
74	12.751	1811	1813	1818	rVB4	27697	35517	5.35%	0.319%
75	12.833	1823	1827	1830	rVV	507921	461792	69.61%	4.154%
76	12.869	1830	1833	1835	rVB2	18902	22171	3.34%	0.199%
77	12.921	1838	1842	1846	rBV4	28218	46303	6.98%	0.417%
78	13.010	1853	1857	1858	rBV4	22778	31740	4.78%	0.286%
79	13.027	1858	1860	1864	rVB	53803	49317	7.43%	0.444%
80	13.063	1864	1866	1869	rBV3	29474	32322	4.87%	0.291%
81	13.092	1869	1871	1873	rVV	32288	28356	4.27%	0.255%
82	13.133	1875	1878	1882	rVB2	39972	46836	7.06%	0.421%
83	13.227	1891	1894	1897	rBV	23156	26673	4.02%	0.240%
84	13.257	1897	1899	1902	rVV	22335	22138	3.34%	0.199%
85	13.304	1905	1907	1910	rVV	46311	43552	6.57%	0.392%
86	13.545	1946	1948	1954	rVB	36104	39861	6.01%	0.359%
87	13.651	1963	1966	1968	rBV	49393	52838	7.96%	0.475%
88	13.704	1972	1975	1977	rBV	28360	35780	5.39%	0.322%
89	13.745	1978	1982	1989	rVB3	91402	184989	27.89%	1.664%
90	13.868	2000	2003	2005	rBV	427247	375251	56.57%	3.375%
91	13.898	2005	2008	2011	rVV2	354315	481584	72.59%	4.332%
92	13.927	2011	2013	2020	rVB	193546	183074	27.60%	1.647%
93	14.651	2134	2136	2139	rVB	52655	42829	6.46%	0.385%
94	14.927	2180	2183	2188	rBV	123477	199809	30.12%	1.797%
95	15.221	2230	2233	2237	rVB	74292	88676	13.37%	0.798%
96	15.280	2240	2243	2248	rVV	86246	102996	15.53%	0.926%
97	15.333	2248	2252	2256	rVV2	146540	207421	31.27%	1.866%
98	15.733	2317	2320	2325	rVB2	59718	77098	11.62%	0.694%
99	15.998	2361	2365	2375	rVB2	145484	283143	42.68%	2.547%
100	16.757	2489	2494	2503	rVB2	61806	125903	18.98%	1.133%

Sum of corrected areas: 11116936

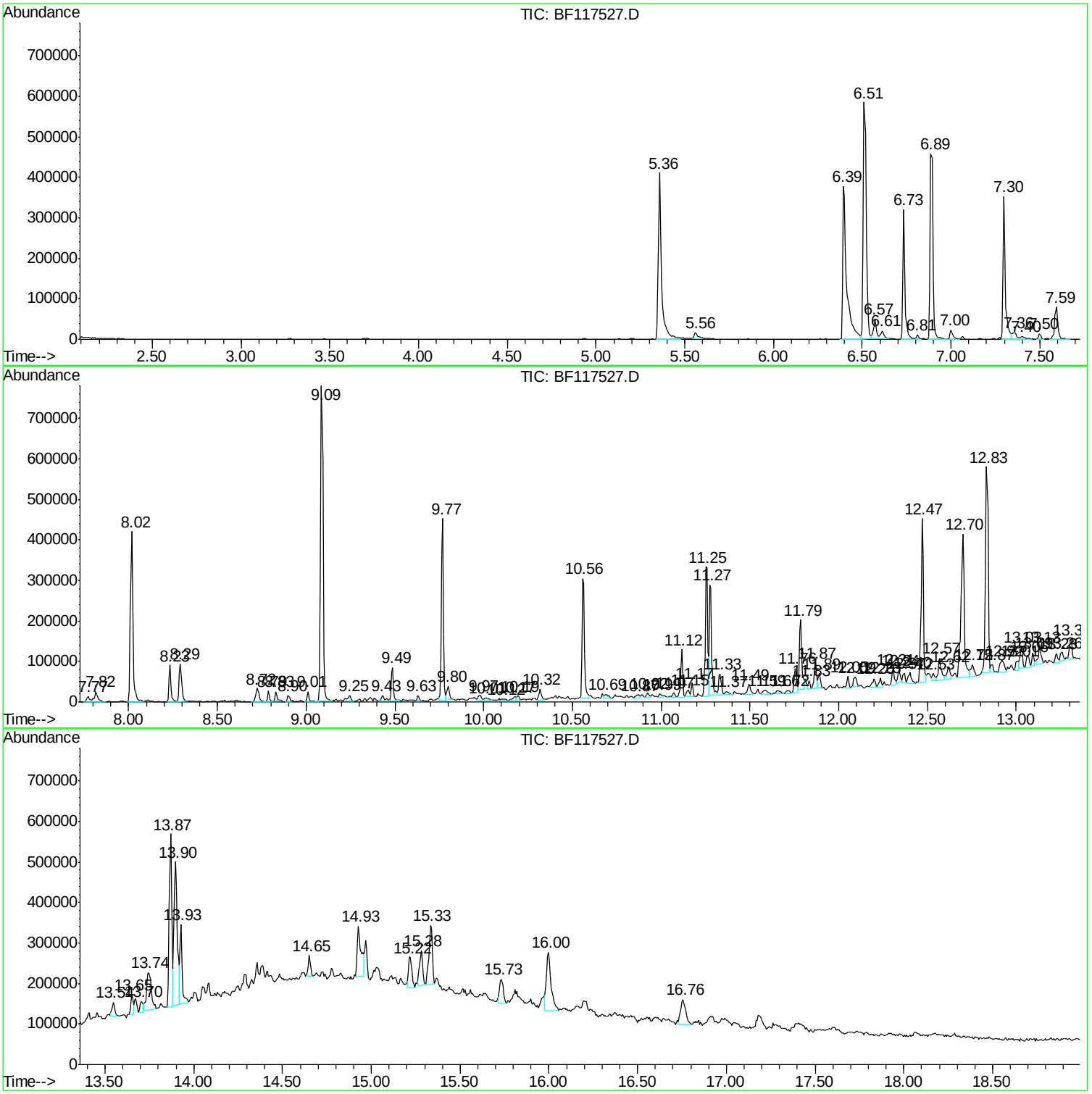
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
Data File : BF117527.D
Acq On : 24 Oct 2019 22:52
Operator : JU
Sample : K5498-19 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
193-68-(0-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
Data File : BF117527.D
Acq On : 24 Oct 2019 22:52
Operator : JU
Sample : K5498-19 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 193-68-(0-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

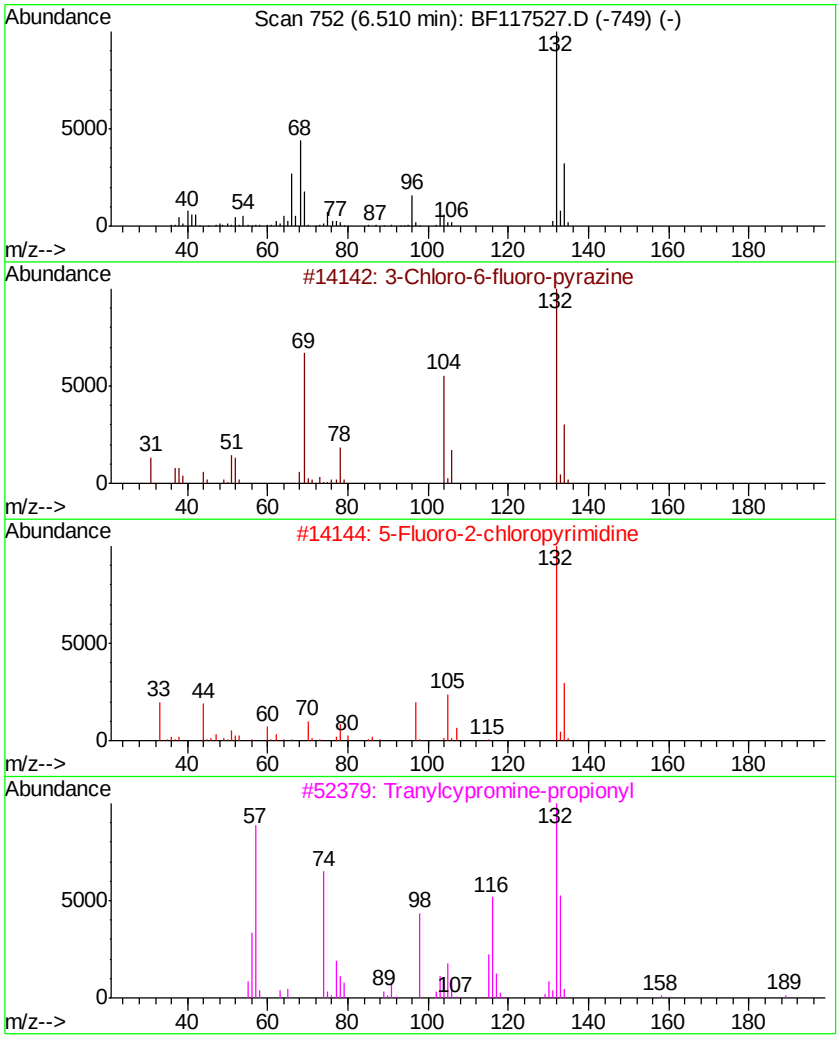
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

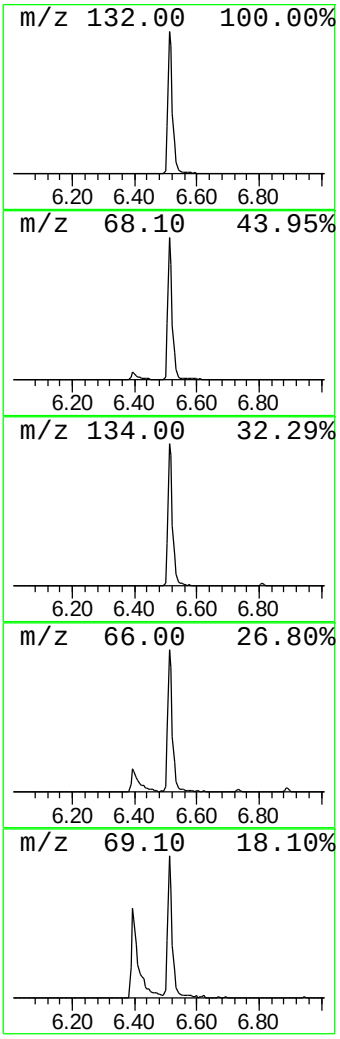
****

Peak Number 1 unknown6.51 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.51	44.43 ng	620917	1,4-Dichlorobenzene-d4	6.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
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\BF102419\
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Instrument : BNA_F
ClientSampleId : 193-68-(0-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

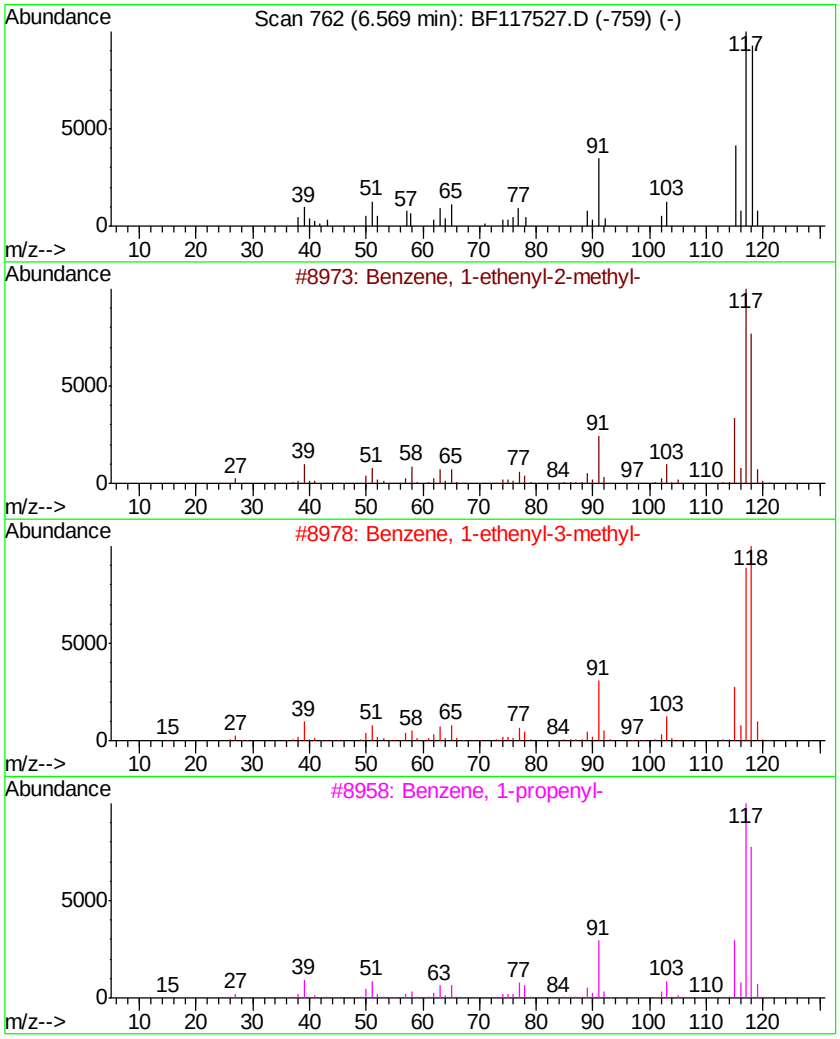
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

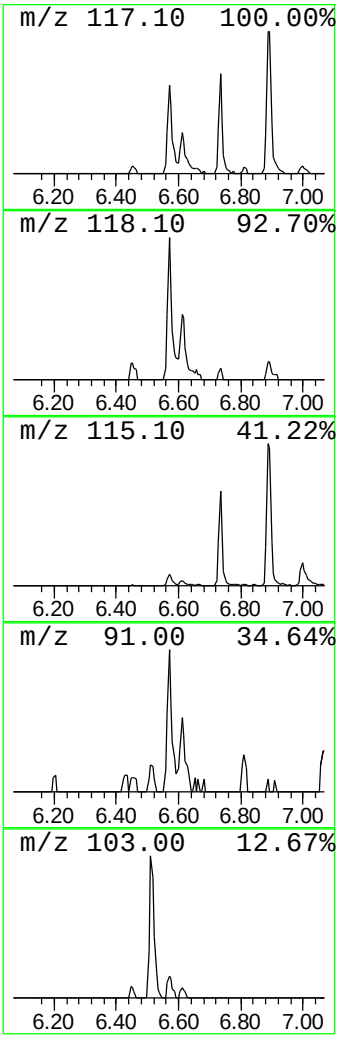
****

Peak Number 2 Benzene, 1-ethenyl-2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	3.96 ng	55324	1,4-Dichlorobenzene-d4	6.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	93
2	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	93
3	Benzene, 1-propenyl-	118	C9H10	000637-50-3	90
4	Benzene, 1,1'-(1-ethenyl-1,3-pro...	222	C17H18	061141-97-7	90
5	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	89





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Instrument : BNA_F
ClientSampleId : 193-68-(0-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

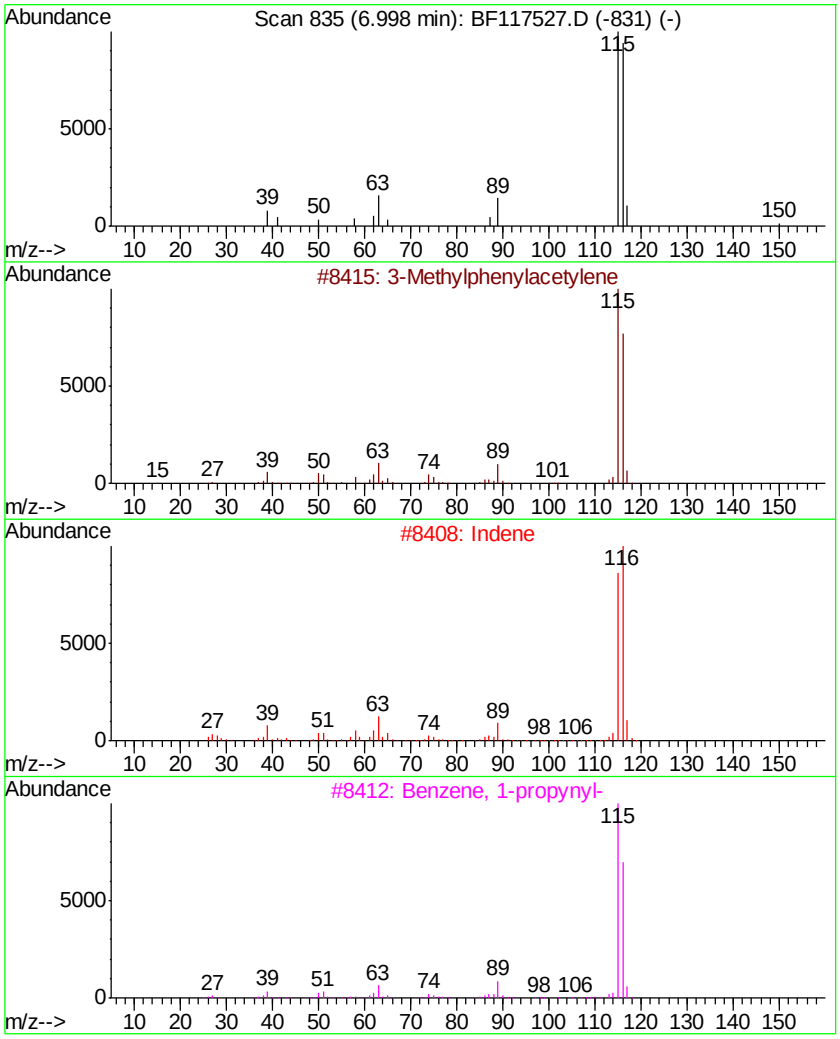
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

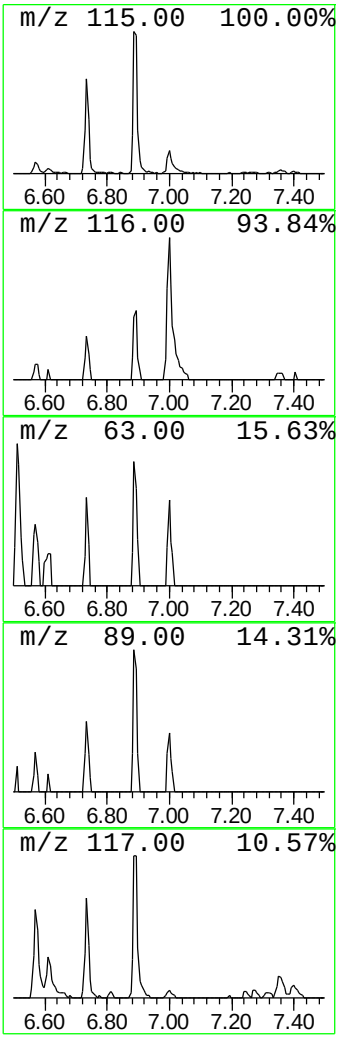
****

Peak Number 4 3-Methylphenylacetylene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.00	2.24 ng	31281	1,4-Dichlorobenzene-d4	6.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methylphenylacetylene	116	C9H8	000766-82-5	90
2	Indene	116	C9H8	000095-13-6	90
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	83
4	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	83
5	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	78





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Instrument : BNA_F
ClientSampleId : 193-68-(0-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

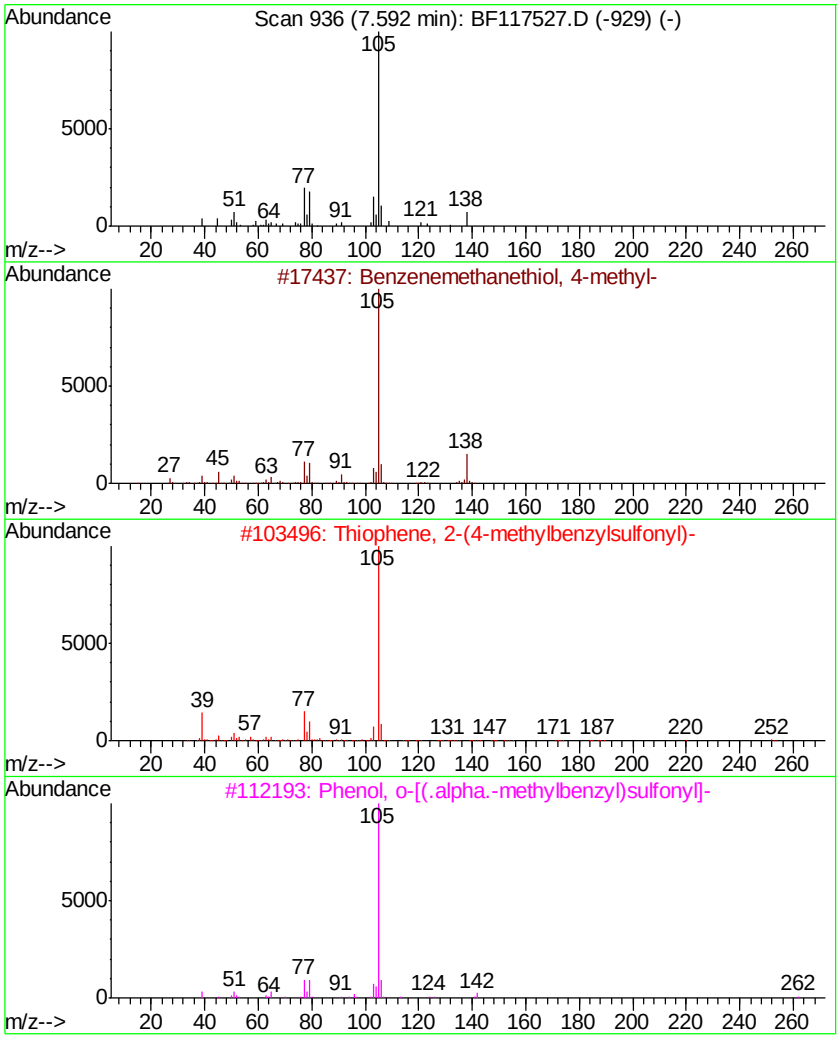
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

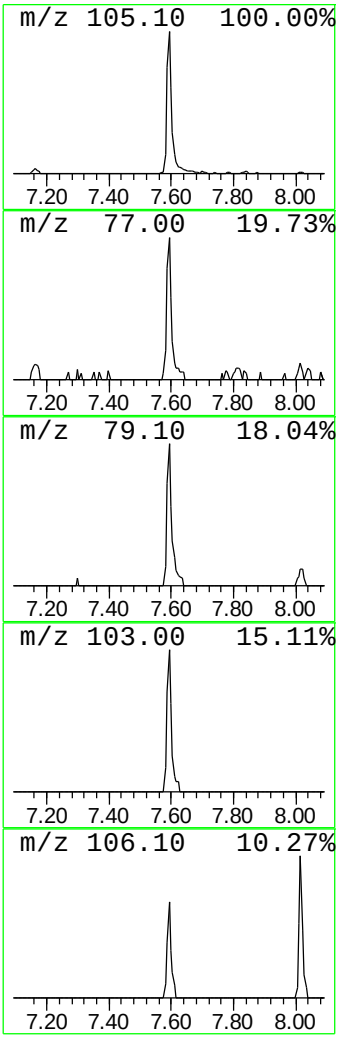
****

Peak Number 5 Benzenemethanethiol, 4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.59	4.96 ng	91283	Naphthalene-d8	8.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenemethanethiol, 4-methyl-	138	C8H10S	004498-99-1	78
2	Thiophene, 2-(4-methylbenzylsulf...	252	C12H12O2S2	153837-88-8	64
3	Phenol, o-[(.alpha.-methylbenzyl...	262	C14H14O3S	029634-38-6	59
4	Benzenemethanethiol, .alpha.-met...	138	C8H10S	006263-65-6	59
5	Benzene, (1-nitroethyl)-	151	C8H9NO2	007214-61-1	59





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
Data File : BF117527.D
Acq On : 24 Oct 2019 22:52
Operator : JU
Sample : K5498-19 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 193-68-(0-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

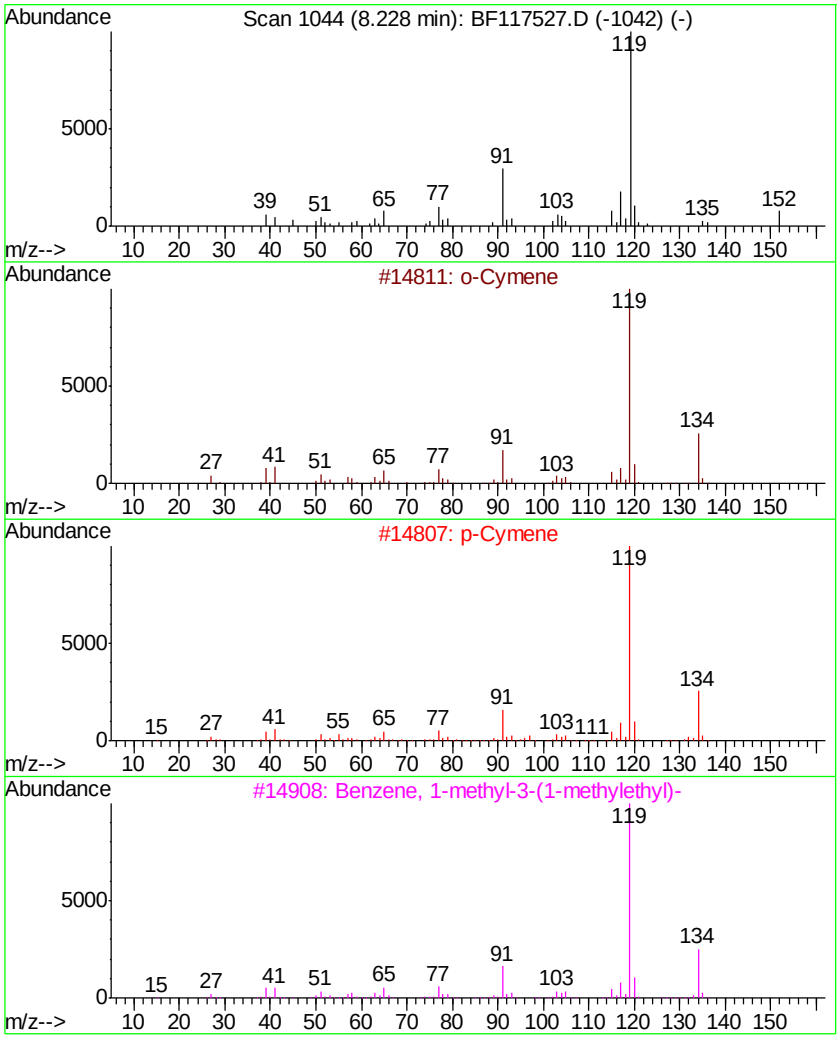
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

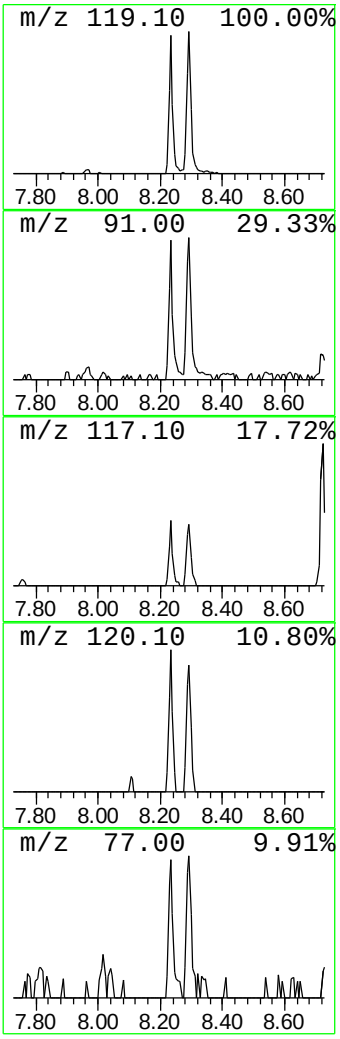
****

Peak Number 6 o-Cymene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.23	4.23 ng	77844	Naphthalene-d8	8.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	87
2	p-Cymene	134	C10H14	000099-87-6	86
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	83
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	83
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	80





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Acq On : 24 Oct 2019 22:52
Operator : JU
Sample : K5498-19 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 193-68-(0-1)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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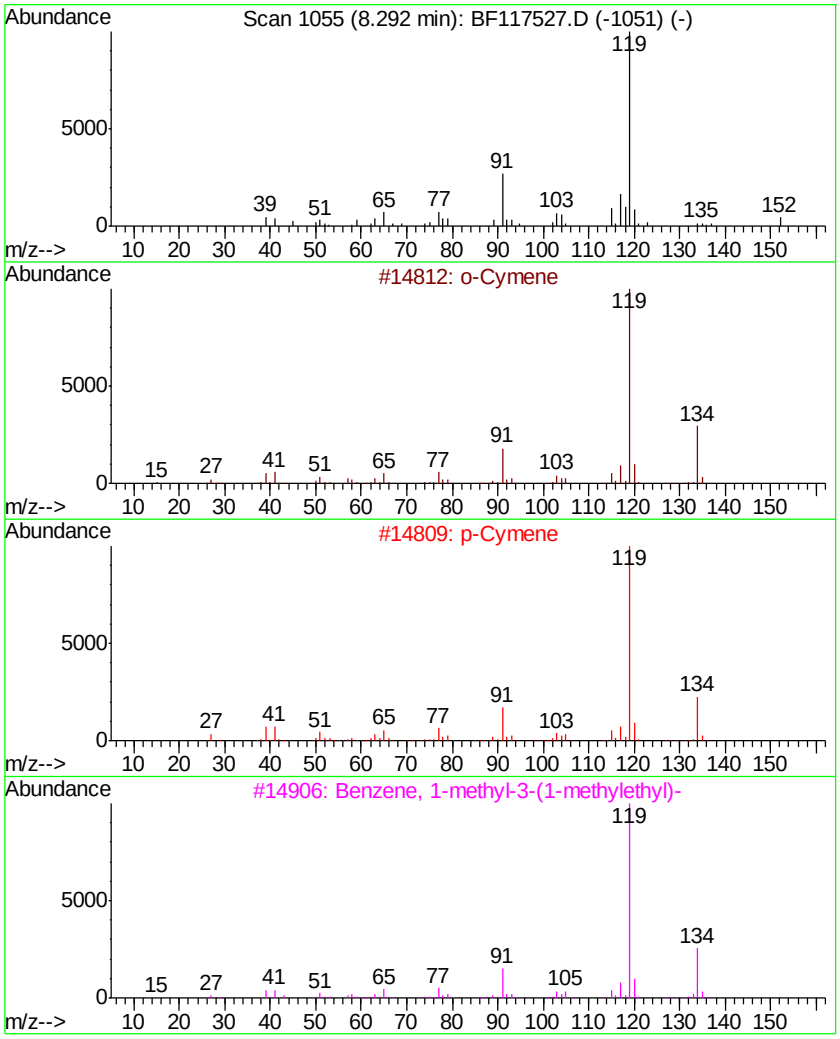
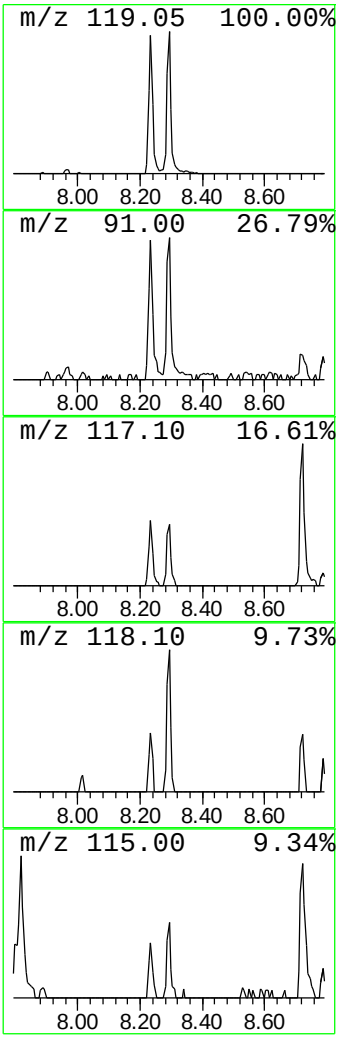
Peak Number 7 p-Cymene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.29	4.68 ng	86073	Naphthalene-d8	8.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	87
2	p-Cymene	134	C10H14	000099-87-6	87
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	87
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	83
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	64





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Misc :
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Instrument : BNA_F
ClientSampleId : 193-68-(0-1)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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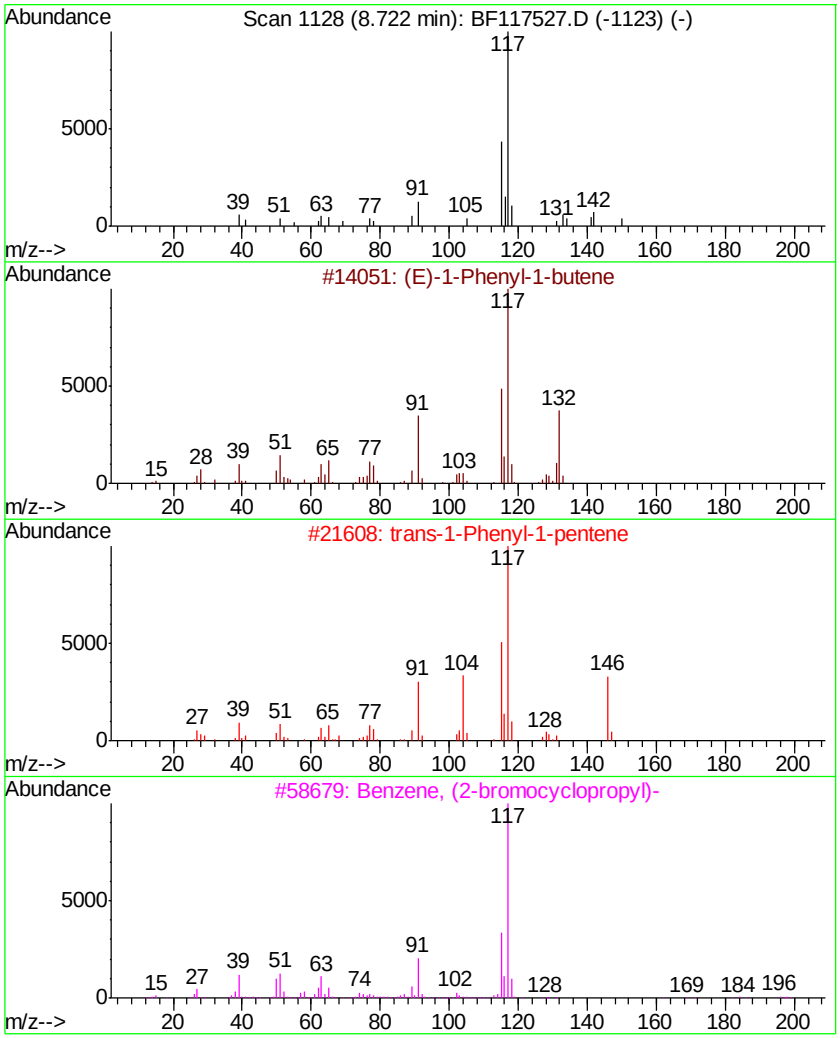
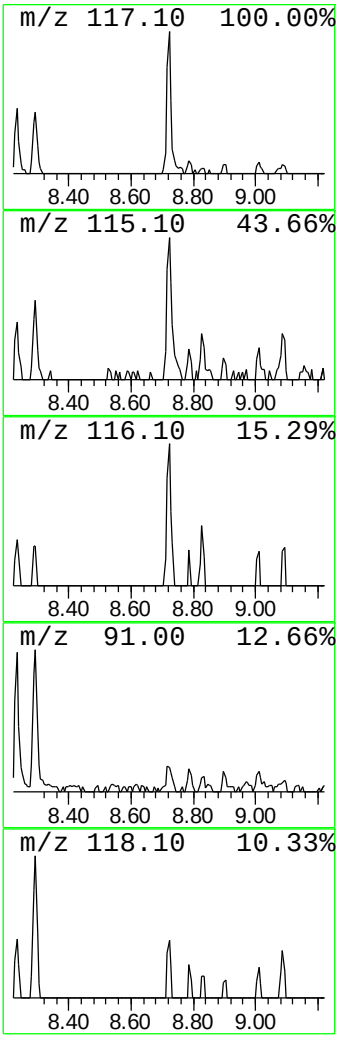
Peak Number 8 (E)-1-Phenyl-1-butene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.72	2.50 ng	45935	Naphthalene-d8	8.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	64
2	trans-1-Phenyl-1-pentene	146	C11H14	016002-93-0	50
3	Benzene, (2-bromocyclopropyl)-	196	C9H9Br	036617-02-4	50
4	Benzaldehyde, 4-(1-phenyl-2-prop...	238	C16H14O2	1000277-56-1	50
5	trans-Cinnamyl bromide	196	C9H9Br	026146-77-0	50





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ALS Vial : 21 Sample Multiplier: 1

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ClientSampleId : 193-68-(0-1)

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

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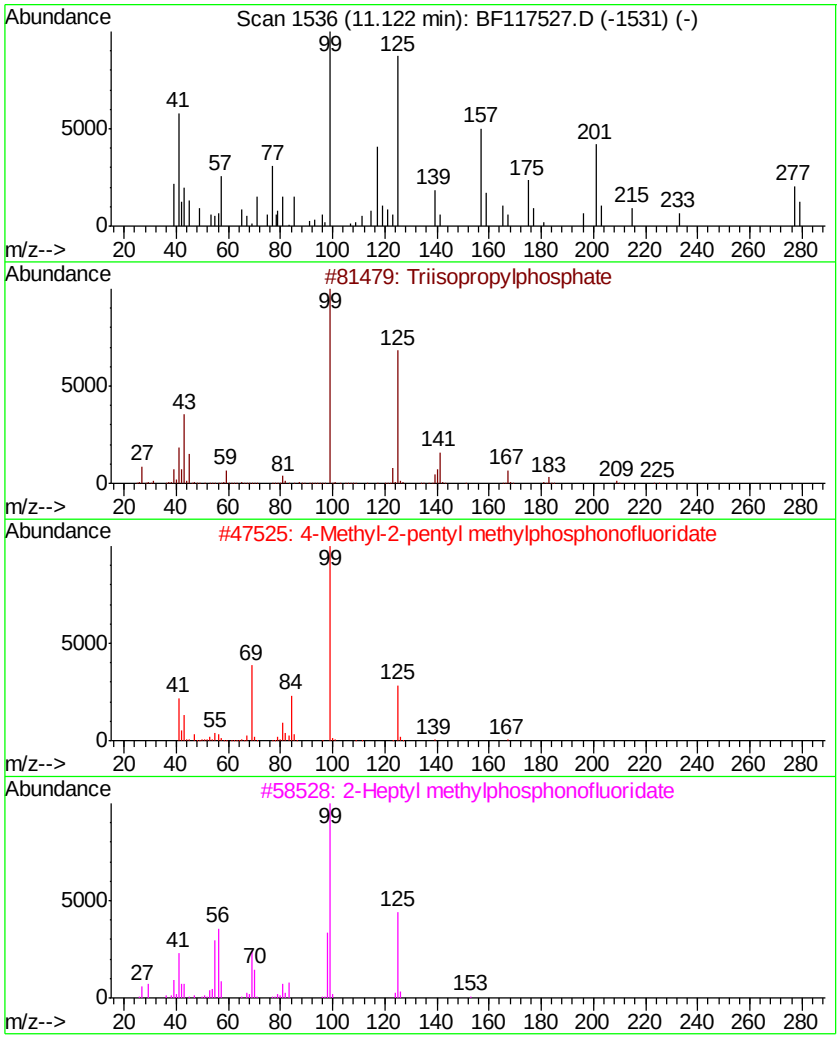
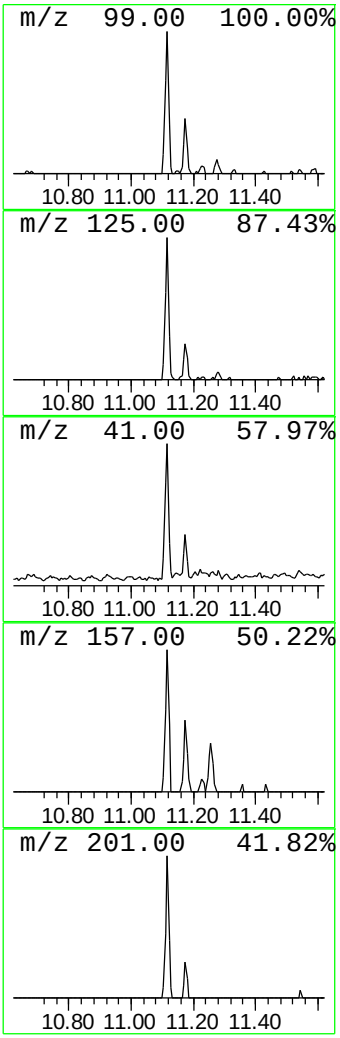
Peak Number 9 unknown11.12 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.12	5.66 ng	95074	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triisopropylphosphate	224	C9H21O4P	000513-02-0	28
2	4-Methyl-2-pentyl methylphospho...	182	C7H16FO2P	000352-53-4	28
3	2-Heptyl methylphosphonofluoridate	196	C8H18FO2P	000674-95-3	17
4	Isopropylphosphonic acid, dihept...	320	C17H37O3P	1000273-18-5	14
5	Propylphosphonic acid, di(2-ethy...	348	C19H41O3P	1000273-14-4	14





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Operator : JU
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Instrument : BNA_F
ClientSampleId : 193-68-(0-1)

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

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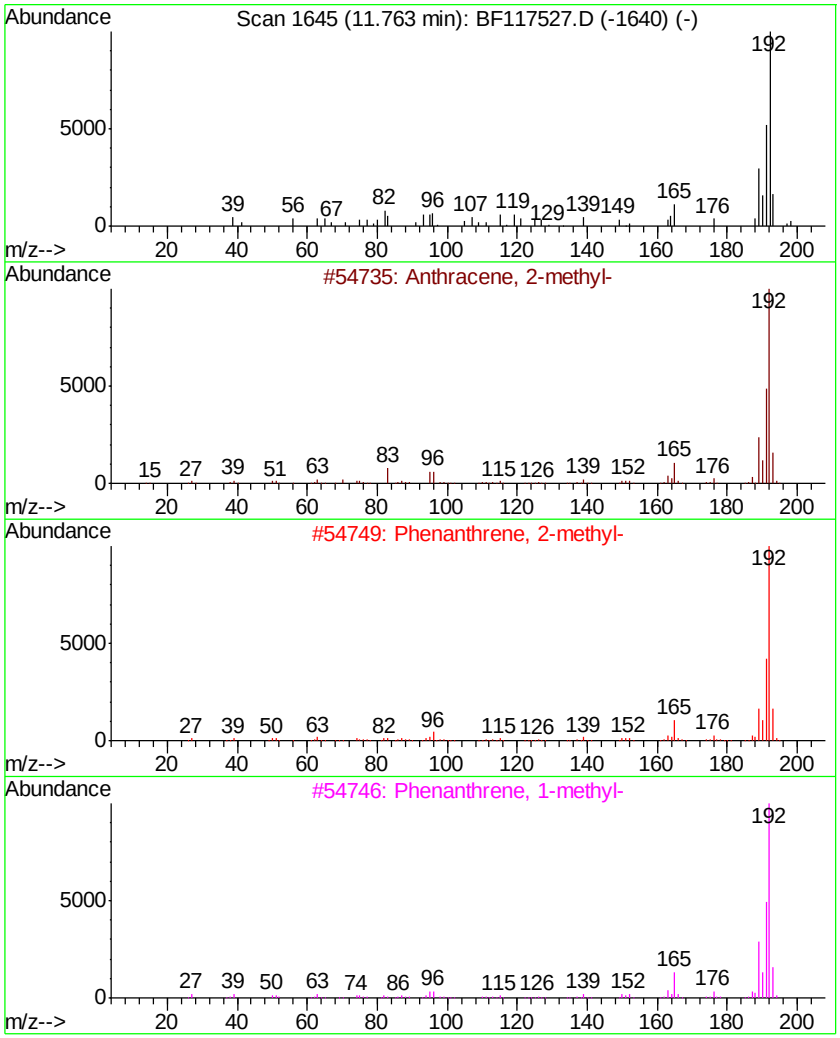
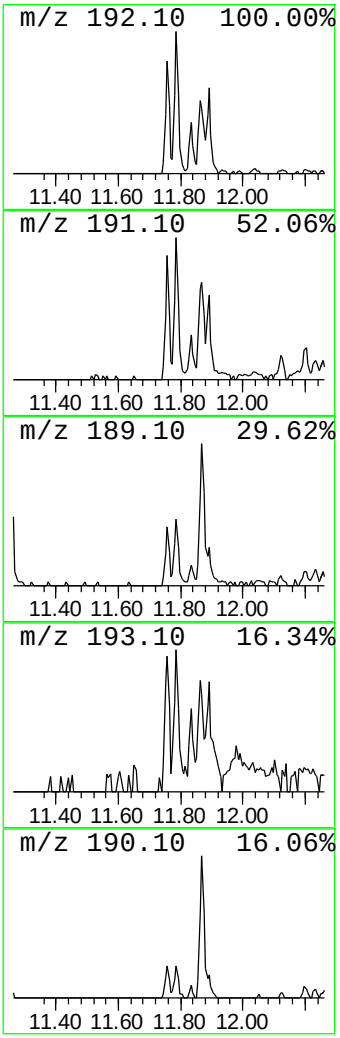
Peak Number 10 Anthracene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	3.21 ng	53844	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93





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Misc :
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ClientSampleId : 193-68-(0-1)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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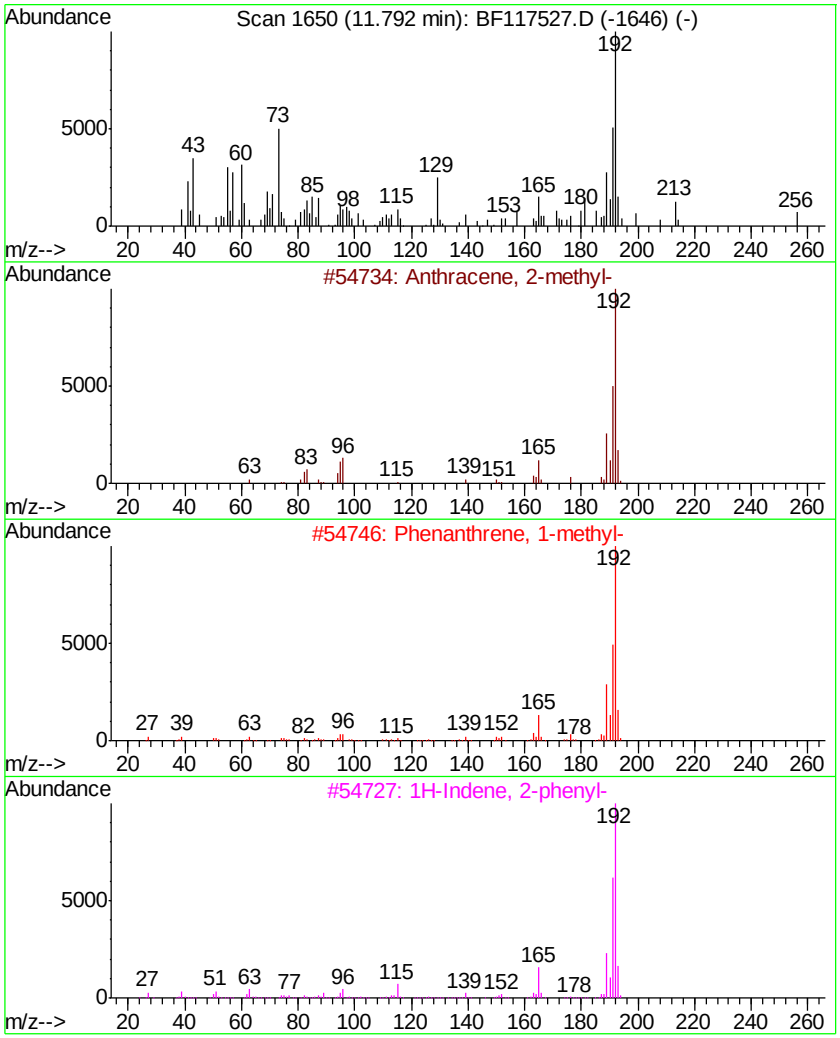
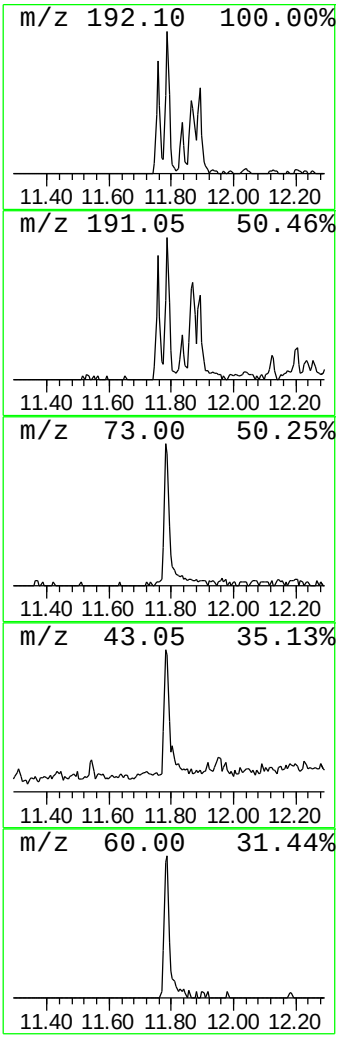
Peak Number 11 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	10.36 ng	174061	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91





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Operator : JU
Sample : K5498-19 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 193-68-(0-1)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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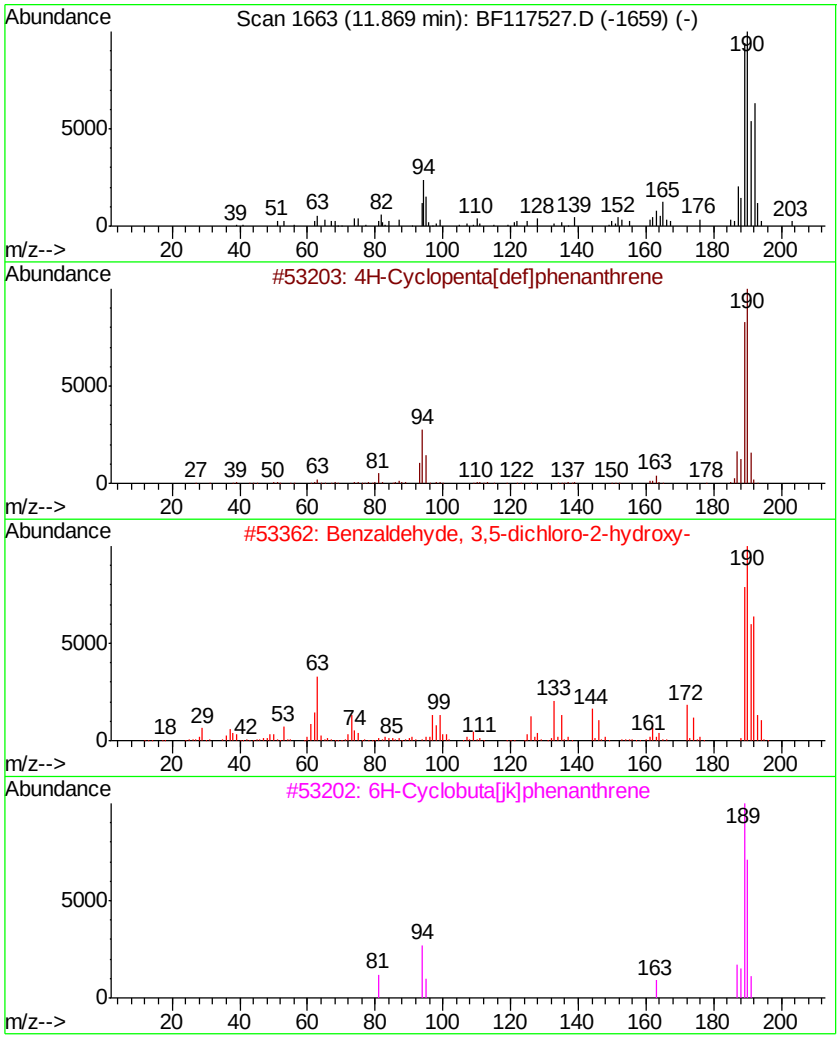
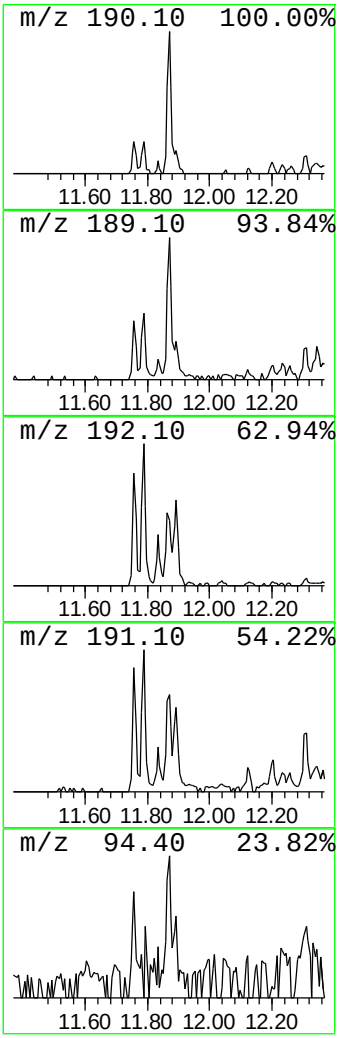
Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	4.06 ng	68129	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	59
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	38
5	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	27





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Sample : K5498-19 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 193-68-(0-1)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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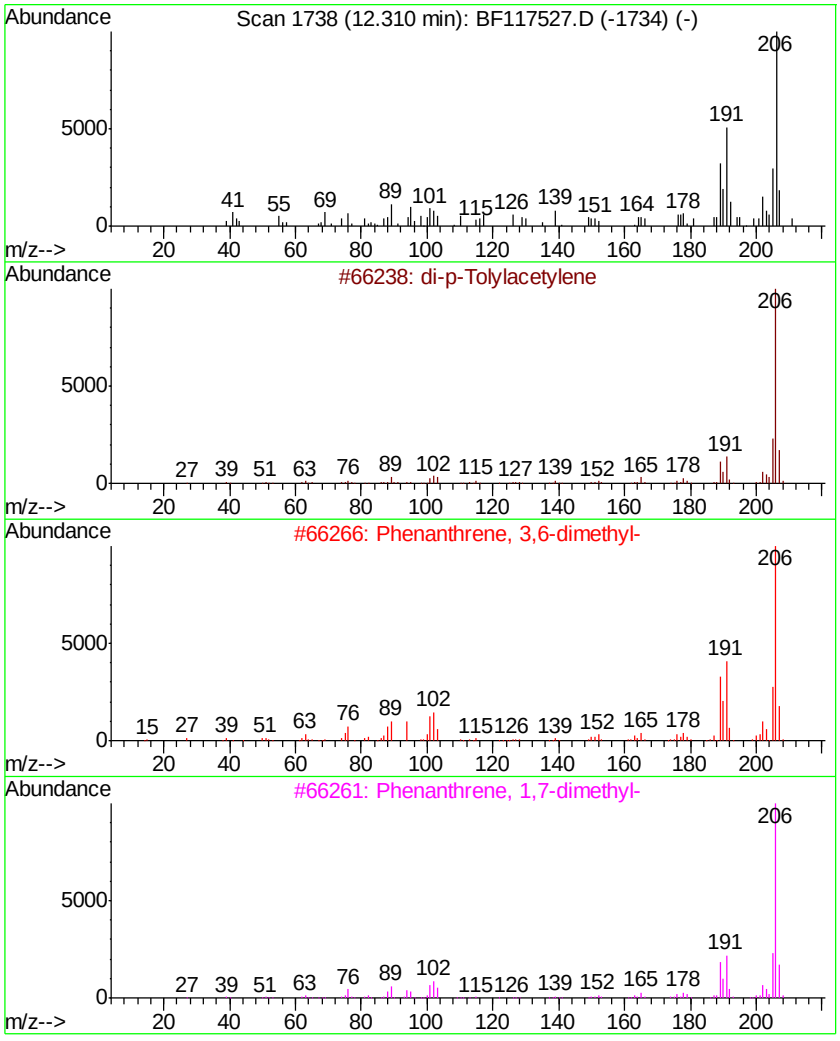
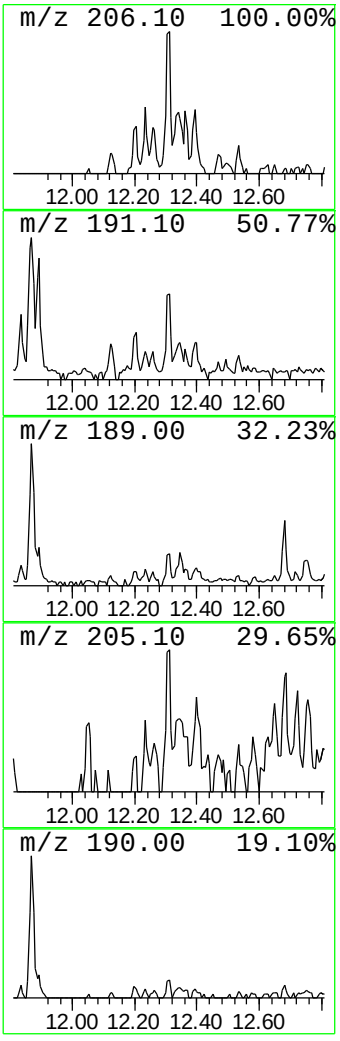
Peak Number 13 di-p-Tolylacetylene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.31	2.49 ng	41858	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90





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Misc :
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Instrument : BNA_F
ClientSampleId : 193-68-(0-1)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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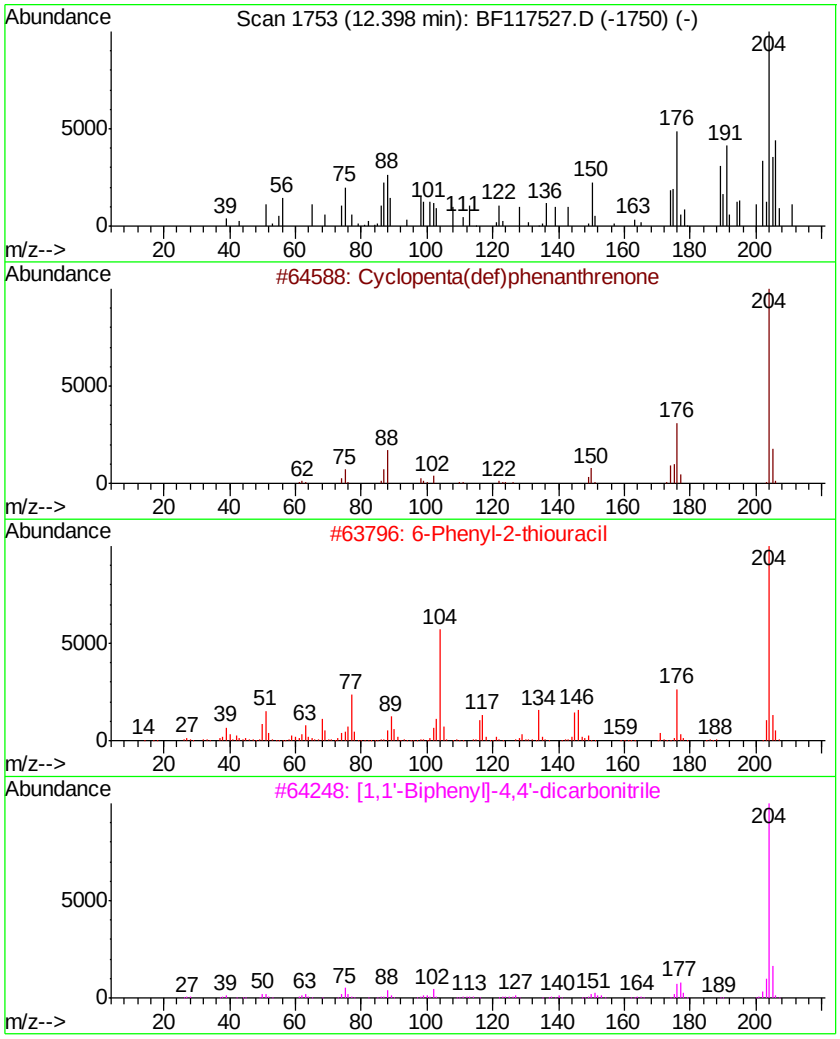
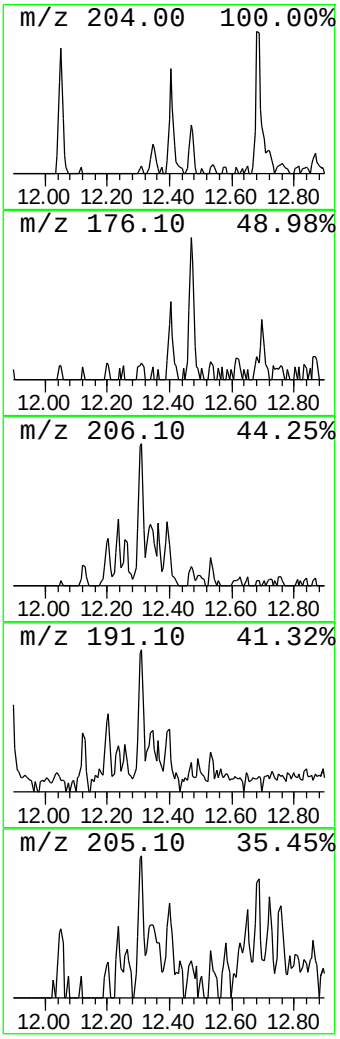
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	2.20 ng	36983	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	76
2	6-Phenyl-2-thiouracil	204	C10H8N2OS	005590-94-3	64
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
4	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	52
5	4-Methyl-6,7-methylenedioxycoumarin	204	C11H8O4	015071-04-2	50





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ClientSampleId : 193-68-(0-1)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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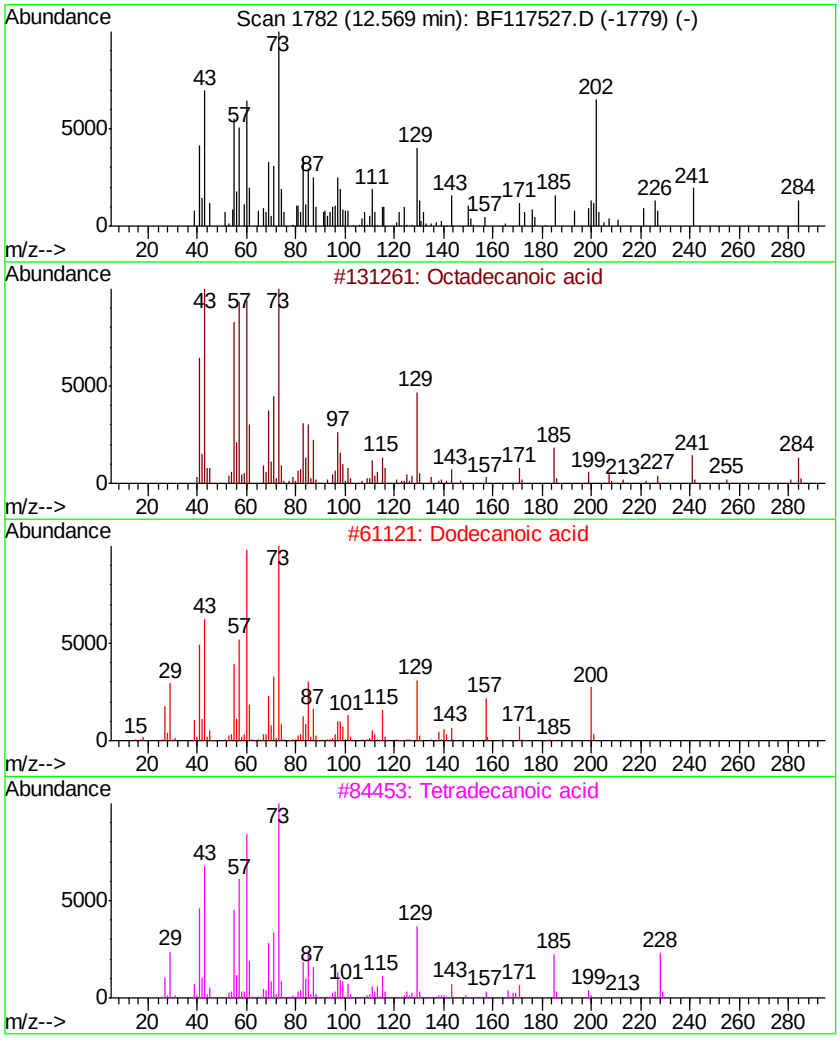
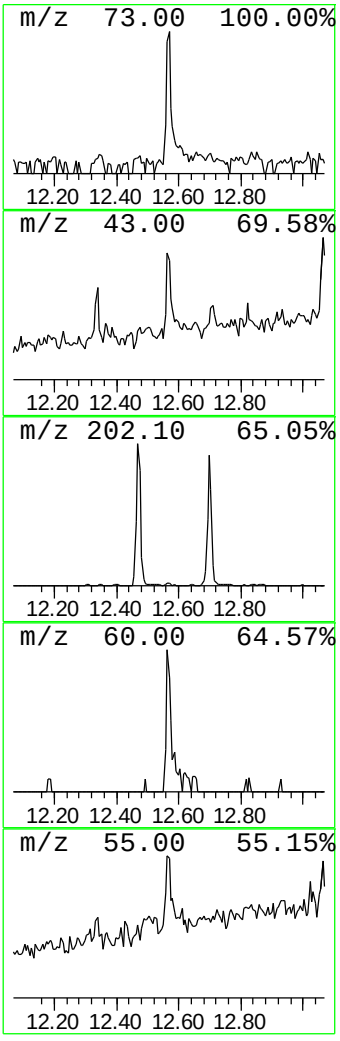
Peak Number 15 Octadecanoic acid Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.57	4.26 ng	71526	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	64
2	Dodecanoic acid	200	C12H24O2	000143-07-7	49
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	43
4	Undecanoic acid	186	C11H22O2	000112-37-8	27
5	n-Decanoic acid	172	C10H20O2	000334-48-5	27





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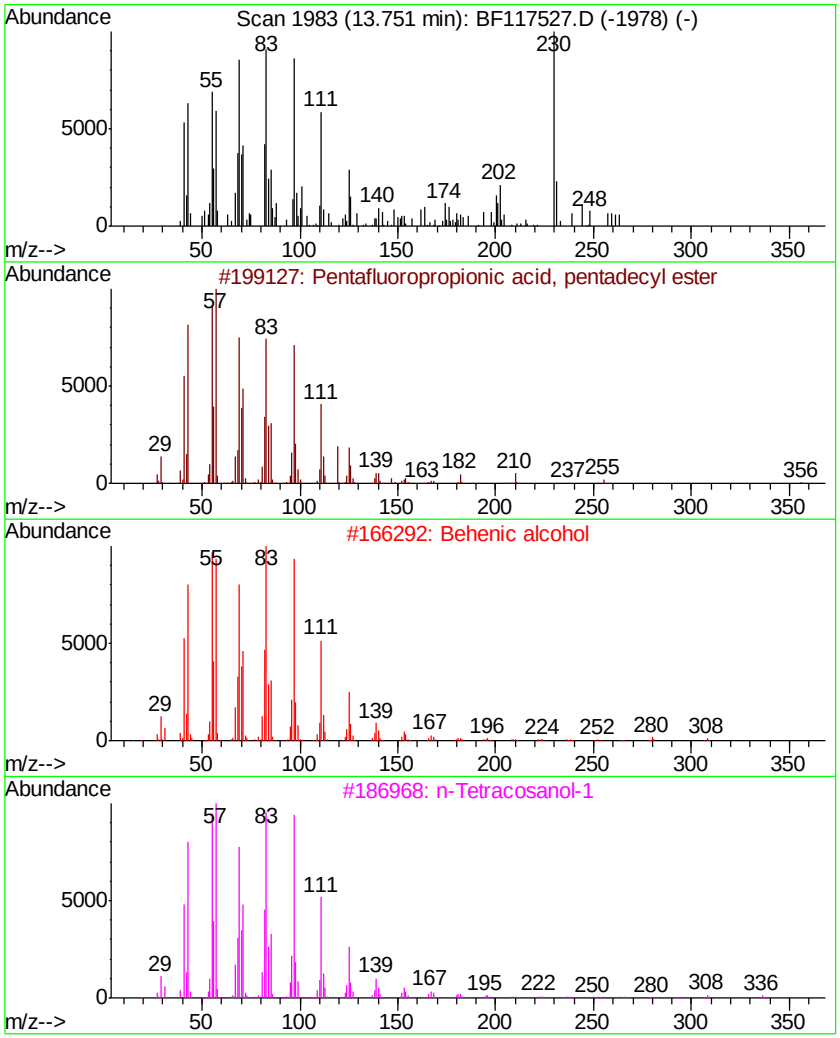
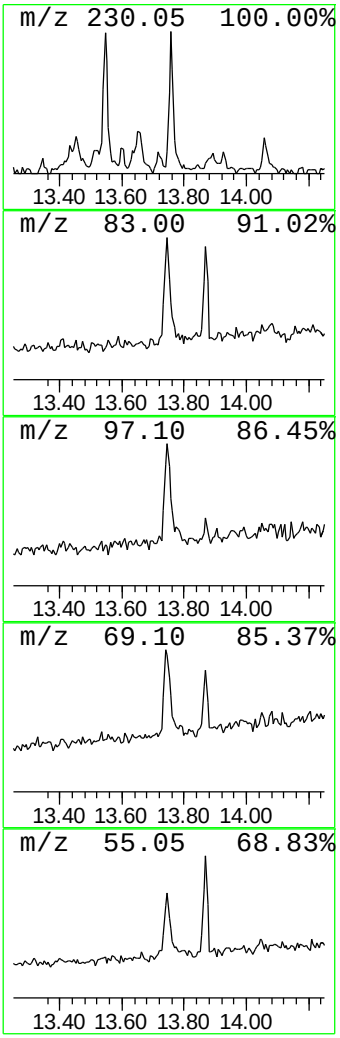
Peak Number 16 Pentafluoropropionic acid, ... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.75	7.68 ng	184989	Chrysene-d12	13.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	93
2	Behenic alcohol	326	C22H46O	000661-19-8	91
3	n-Tetracosanol-1	354	C24H50O	000506-51-4	90
4	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	87
5	n-Nonadecanol-1	284	C19H40O	001454-84-8	81





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

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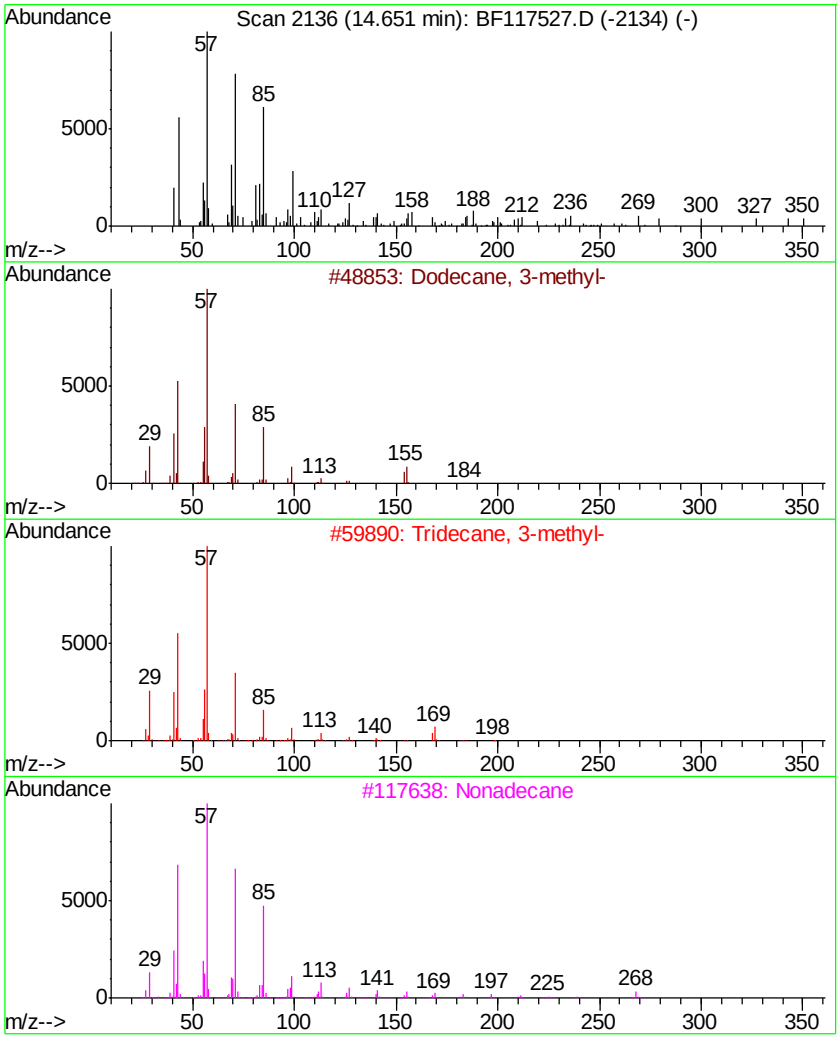
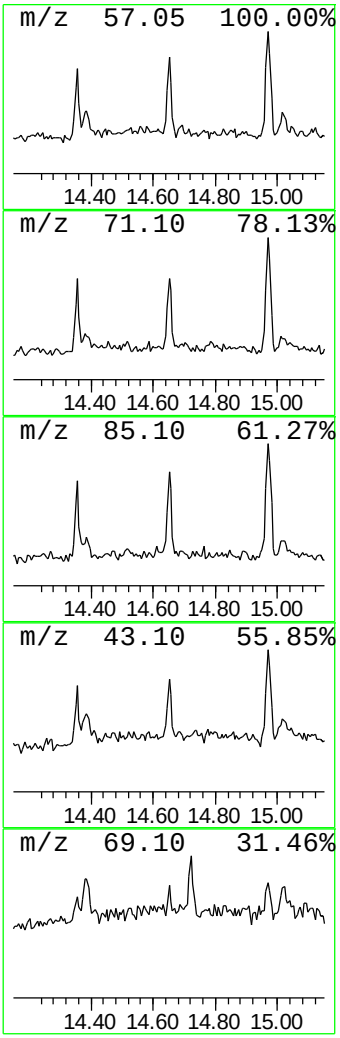
Peak Number 17 Dodecane, 3-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.65	4.13 ng	42829	Perylene-d12	15.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 3-methyl-	184	C13H28	017312-57-1	72
2	Tridecane, 3-methyl-	198	C14H30	006418-41-3	72
3	Nonadecane	268	C19H40	000629-92-5	64
4	Heptadecane, 8-methyl-	254	C18H38	013287-23-5	64
5	Pentadecane	212	C15H32	000629-62-9	60





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ALS Vial : 21 Sample Multiplier: 1

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ClientSampleId : 193-68-(0-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.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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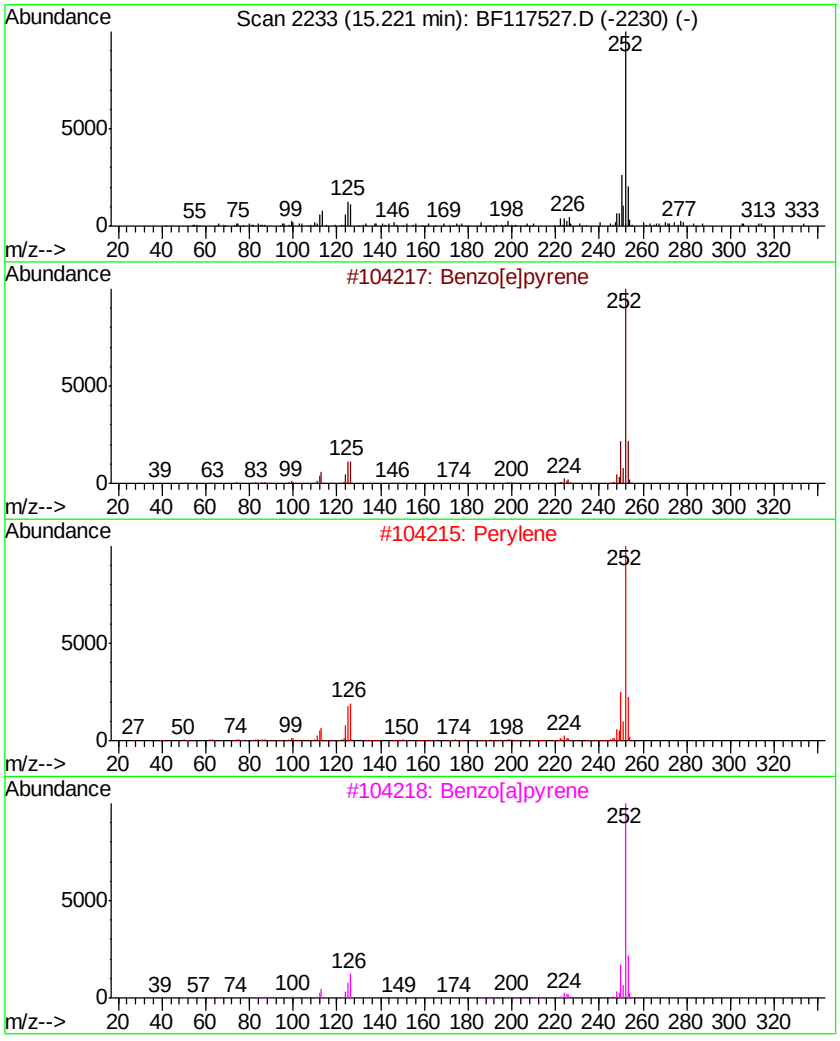
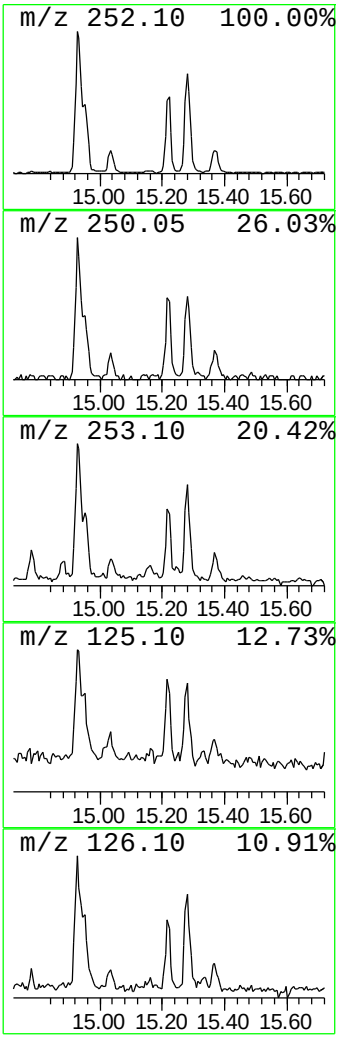
Peak Number 18 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.22	8.55 ng	88676	Perylene-d12	15.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Perylene	252	C20H12	000198-55-0	94
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	89





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
Data File : BF117527.D
Acq On : 24 Oct 2019 22:52
Operator : JU
Sample : K5498-19 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 193-68-(0-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.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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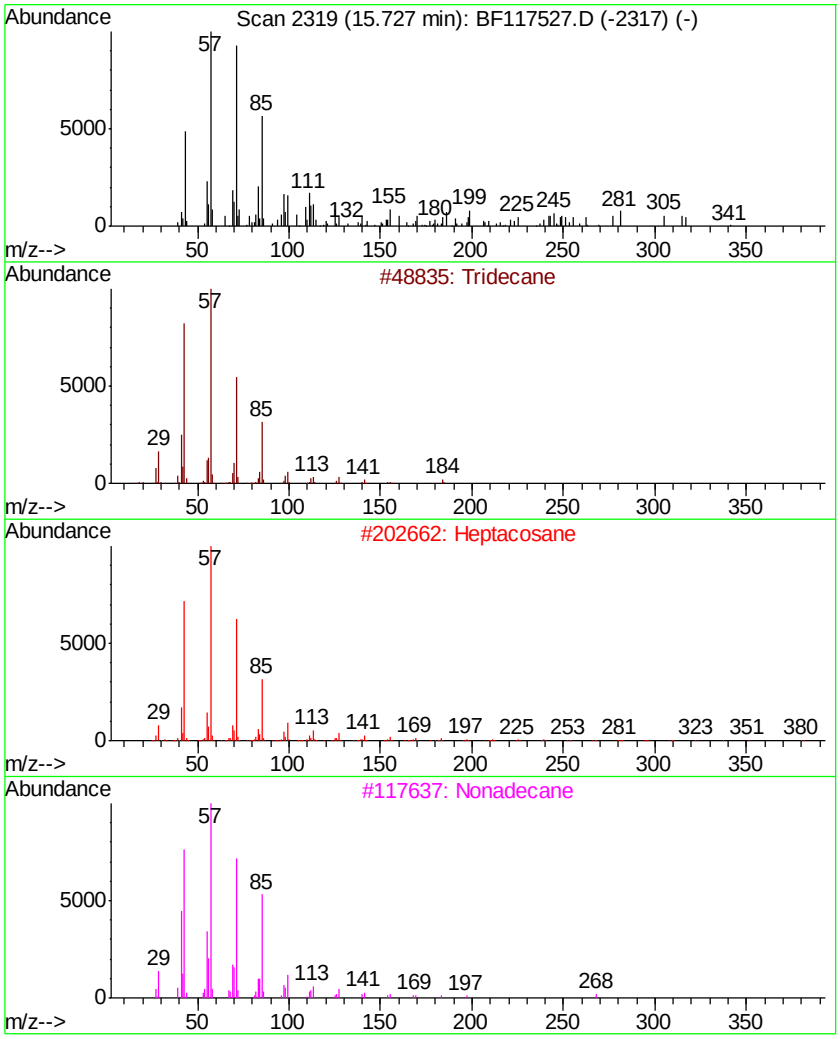
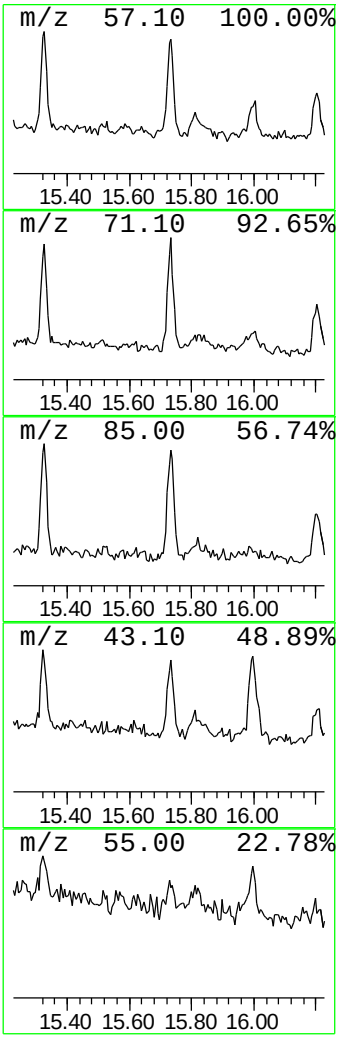
Peak Number 19 Tridecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.73	7.43 ng	77098	Perylene-d12	15.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	68
2	Heptacosane	380	C27H56	000593-49-7	64
3	Nonadecane	268	C19H40	000629-92-5	64
4	Octacosane	394	C28H58	000630-02-4	59
5	Tetradecane, 4-methyl-	212	C15H32	025117-24-2	47





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
Data File : BF117527.D
Acq On : 24 Oct 2019 22:52
Operator : JU
Sample : K5498-19 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 193-68-(0-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.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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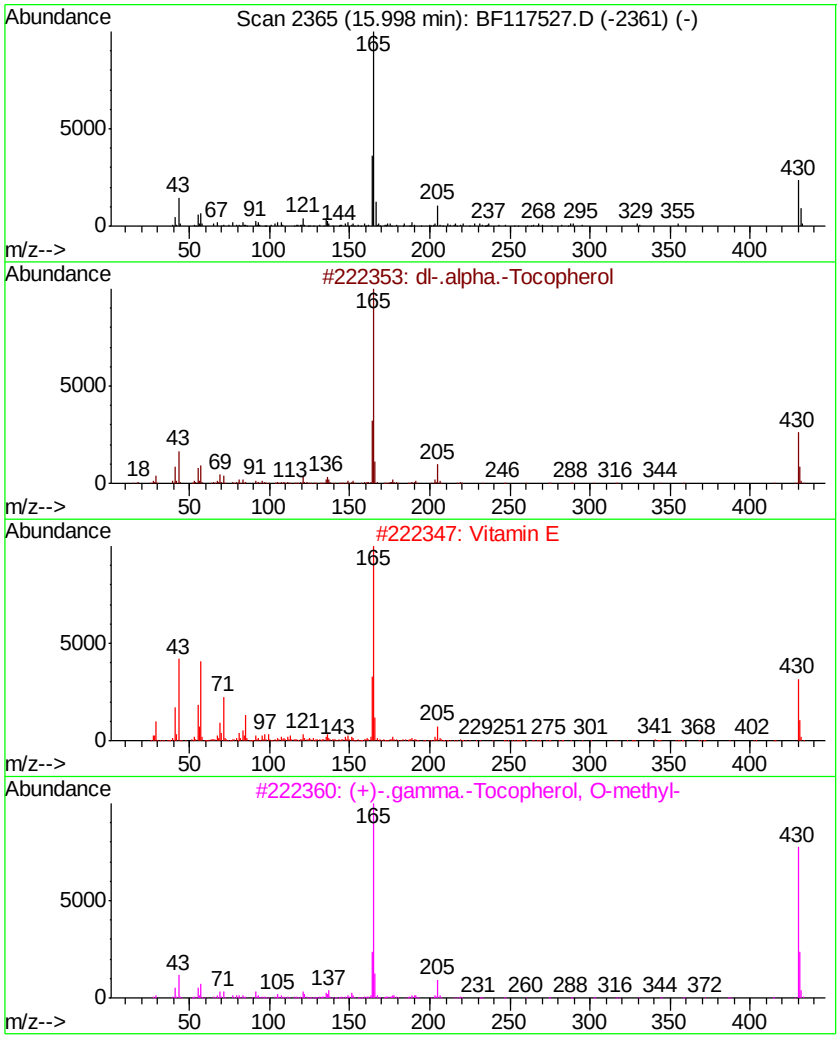
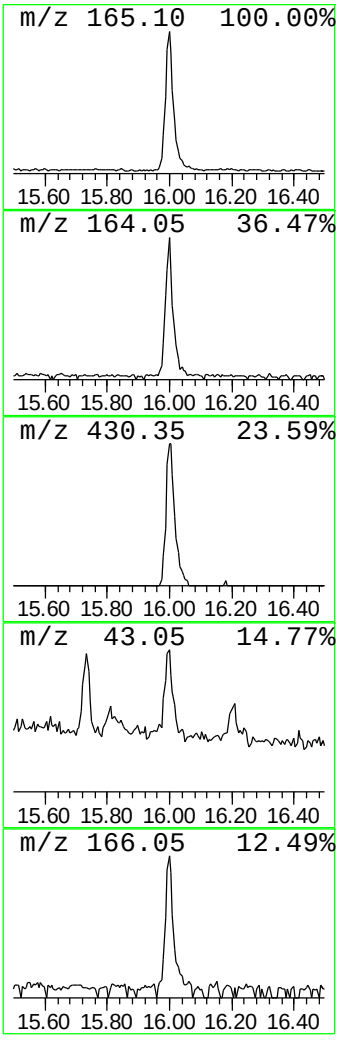
Peak Number 20 dl-.alpha.-Tocopherol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.00	27.30 ng	283143	Perylene-d12	15.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	dl-.alpha.-Tocopherol	430	C29H50O2	010191-41-0	93
2	Vitamin E	430	C29H50O2	000059-02-9	93
3	(+)-.gamma.-Tocopherol, O-methyl-	430	C29H50O2	1000374-72-2	91
4	Benzenamine, 3-methoxy-2,4,6-tri...	165	C10H15NO	034874-88-9	47
5	.alpha.-Tocopherol-.beta.-D-mann...	592	C35H60O7	1000156-68-2	45





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF102419\
Data File : BF117527.D
Acq On : 24 Oct 2019 22:52
Operator : JU
Sample : K5498-19 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 193-68-(0-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown6.51	6.51	44.4	ng	620917	1	6.73	279518	20.0
Benzene, 1-etheny...	6.57	4.0	ng	55324	1	6.73	279518	20.0
3-Methylphenylace...	7.00	2.2	ng	31281	1	6.73	279518	20.0
Benzenemethanethi...	7.59	5.0	ng	91283	2	8.02	368000	20.0
o-Cymene	8.23	4.2	ng	77844	2	8.02	368000	20.0
p-Cymene	8.29	4.7	ng	86073	2	8.02	368000	20.0
(E)-1-Phenyl-1-bu...	8.72	2.5	ng	45935	2	8.02	368000	20.0
unknown11.12	11.12	5.7	ng	95074	4	11.26	335944	20.0
Anthracene, 2-met...	11.76	3.2	ng	53844	4	11.26	335944	20.0
Phenanthrene, 1-m...	11.79	10.4	ng	174061	4	11.26	335944	20.0
4H-Cyclopenta[def...	11.87	4.1	ng	68129	4	11.26	335944	20.0
di-p-Tolylacetylene	12.31	2.5	ng	41858	4	11.26	335944	20.0
Cyclopenta(def)ph...	12.40	2.2	ng	36983	4	11.26	335944	20.0
Octadecanoic acid	12.57	4.3	ng	71526	4	11.26	335944	20.0
Pentafluoropropio...	13.75	7.7	ng	184989	5	13.90	481584	20.0
Dodecane, 3-methyl-	14.65	4.1	ng	42829	6	15.34	207421	20.0
Benzo[e]pyrene	15.22	8.6	ng	88676	6	15.34	207421	20.0
Tridecane	15.73	7.4	ng	77098	6	15.34	207421	20.0
dl-.alpha.-Tocoph...	16.00	27.3	ng	283143	6	15.34	207421	20.0