LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022819\
Data File : BF112764.D
Acq On : 28 Feb 2019 16:03
Operator : JU/SJ
Sample : K1349-13 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-022719-A

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-BF022719.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	3.087	169	170	182	rBV3	57610	162854	3.14%	0.429%
2	5.345	550	554	563	rBV	726678	710096	13.69%	1.871%
3	6.369	724	728	741	rVB	958927	791844	15.26%	2.086%
4	6.510	748	752	760	rBV	939061	781504	15.06%	2.059%
5	6.745	788	792	796	rBV	1363929	1100876	21.22%	2.900%
6	6.898	815	818	822	rBV	703017	577868	11.14%	1.522%
7	7.298	881	886	894	rBV	528577	468411	9.03%	1.234%
8	8.027	1006	1010	1013	rBV	1723493	1458328	28.11%	3.842%
9	8.633	1108	1113	1116	rBV	123953	115911	2.23%	0.305%
10	8.739	1127	1131	1134	rVB2	53818	58128	1.12%	0.153%
11	8.839	1144	1148	1152	rBV2	45409	71134	1.37%	0.187%
12	9.098	1189	1192	1198	rBV	984924	799024	15.40%	2.105%
13	9.198	1205	1209	1212	rBV2	145803	138000	2.66%	0.364%
14	9.439	1243	1250	1252	rBV2	56506	78786	1.52%	0.208%
15	9.492	1257	1259	1262	rBV	68386	76609	1.48%	0.202%
16	9.722	1296	1298	1302	rVB	170996	124861	2.41%	0.329%
17	9.774	1302	1307	1310	rBV2	1688272	1482525	28.58%	3.905%
18	9.804	1310	1312	1316	rVB	142791	129120	2.49%	0.340%
19	9.980	1339	1342	1345	rVB	96860	89013	1.72%	0.234%
20	10.221	1380	1383	1386	rVB	167221	128790	2.48%	0.339%
21	10.321	1397	1400	1402	rBV	149086	135993	2.62%	0.358%
22	10.439	1417	1420	1424	rBV	60873	74364	1.43%	0.196%
23	10.557	1437	1440	1445	rVB	642333	549135	10.59%	1.447%
24	10.692	1459	1463	1470	rVB	181947	204619	3.94%	0.539%
25	11.139	1536	1539	1543	rBV2	171650	196586	3.79%	0.518%
26	11.251	1555	1558	1560	rBV	1677338	1486138	28.65%	3.915%
27	11.274	1560	1562	1566	rVV	1201663	1022819	19.72%	2.694%
28	11.327	1566	1571	1574	rVB	367759	318281	6.14%	0.838%
29	11.480	1593	1597	1601	rVB	131874	125290	2.42%	0.330%
30	11.563	1606	1611	1613	rVV2	149688	144966	2.79%	0.382%
31	11.580	1613	1614	1617	rVB	85540	67248	1.30%	0.177%
32	11.663	1624	1628	1631	rVB	2039860	1669066	32.17%	4.397%
33	11.751	1641	1643	1646	rBV	106055	102225	1.97%	0.269%
34	11.786	1646	1649	1653	rVB2	234854	256922	4.95%	0.677%

LSC Area Percent Report

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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-022719-A

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-BF022719.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.827	1653	1656	1659	rVB	68230	60599	1.17%	0.160%
36	11.863	1659	1662	1665	rBV	274320	292409	5.64%	0.770%
37	11.968	1675	1680	1685	rVB2	139111	155510	3.00%	0.410%
38	12.051	1691	1694	1695	rBV	89818	84089	1.62%	0.222%
39	12.068	1695	1697	1704	rVB4	72386	79193	1.53%	0.209%
40	12.304	1734	1737	1740	rBV	106445	107641	2.07%	0.284%
41	12.345	1740	1744	1746	rVV	5184544	5187845	100.00%	13.666%
42	12.368	1746	1748	1755	rVV	5253080	4671180	90.04%	12.305%
43	12.462	1759	1764	1768	rVV2	1836299	2299951	44.33%	6.059%
44	12.498	1768	1770	1778	rVB4	175957	269426	5.19%	0.710%
45	12.610	1787	1789	1793	rVB2	53868	53822	1.04%	0.142%
46	12.686	1797	1802	1806	rBV	1509769	1706994	32.90%	4.497%
47	12.727	1807	1809	1812	rVB2	92721	77473	1.49%	0.204%
48	12.810	1820	1823	1824	rBV	83525	75268	1.45%	0.198%
49	12.833	1824	1827	1833	rVB	1034917	893904	17.23%	2.355%
50	13.015	1852	1858	1861	rBV	224183	302792	5.84%	0.798%
51	13.080	1866	1869	1873	rVV2	309297	313901	6.05%	0.827%
52	13.121	1873	1876	1878	rVV2	94375	82527	1.59%	0.217%
53	13.174	1882	1885	1889	rBV3	120298	144990	2.79%	0.382%
54	13.421	1925	1927	1932	rBV2	96452	95342	1.84%	0.251%
55	13.633	1960	1963	1965	rBV	95954	91255	1.76%	0.240%
56	13.657	1965	1967	1969	rBV	69955	61607	1.19%	0.162%
57	13.680	1969	1971	1976	rVV2	70192	95094	1.83%	0.251%
58	13.839	1996	1998	2000	rBV	110227	102870	1.98%	0.271%
59	13.880	2000	2005	2008	rVV2	1666786	2092017	40.33%	5.511%
60	13.904	2008	2009	2012	rVB	542638	398373	7.68%	1.049%
61	13.986	2021	2023	2026	rVB	171600	133218	2.57%	0.351%
62	14.068	2034	2037	2039	rBV	145180	141028	2.72%	0.372%
63	14.892	2174	2177	2180	rBV	389491	536588	10.34%	1.414%
64	14.992	2191	2194	2197	rVB2	227414	251632	4.85%	0.663%
65	15.174	2223	2225	2231	rVB	239010	280026	5.40%	0.738%
66	15.233	2232	2235	2240	rVB	336295	357781	6.90%	0.943%
67	15.292	2242	2245	2248	rVV	712112	767095	14.79%	2.021%

Sum of corrected areas: 37960774

LSC Report - Integrated Chromatogram

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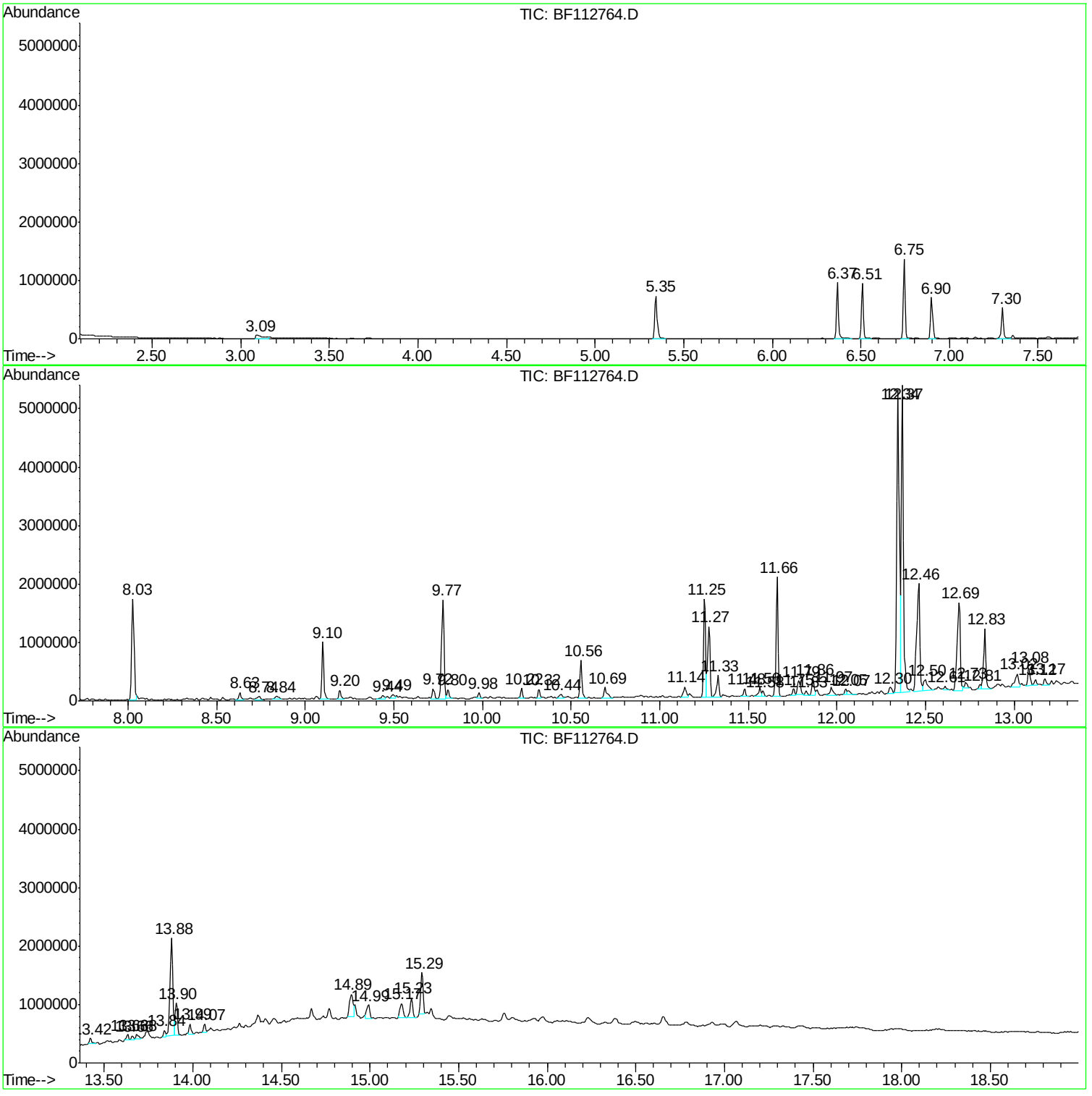
Instrument : BNA_F
ClientSampleId : OR-03-022719-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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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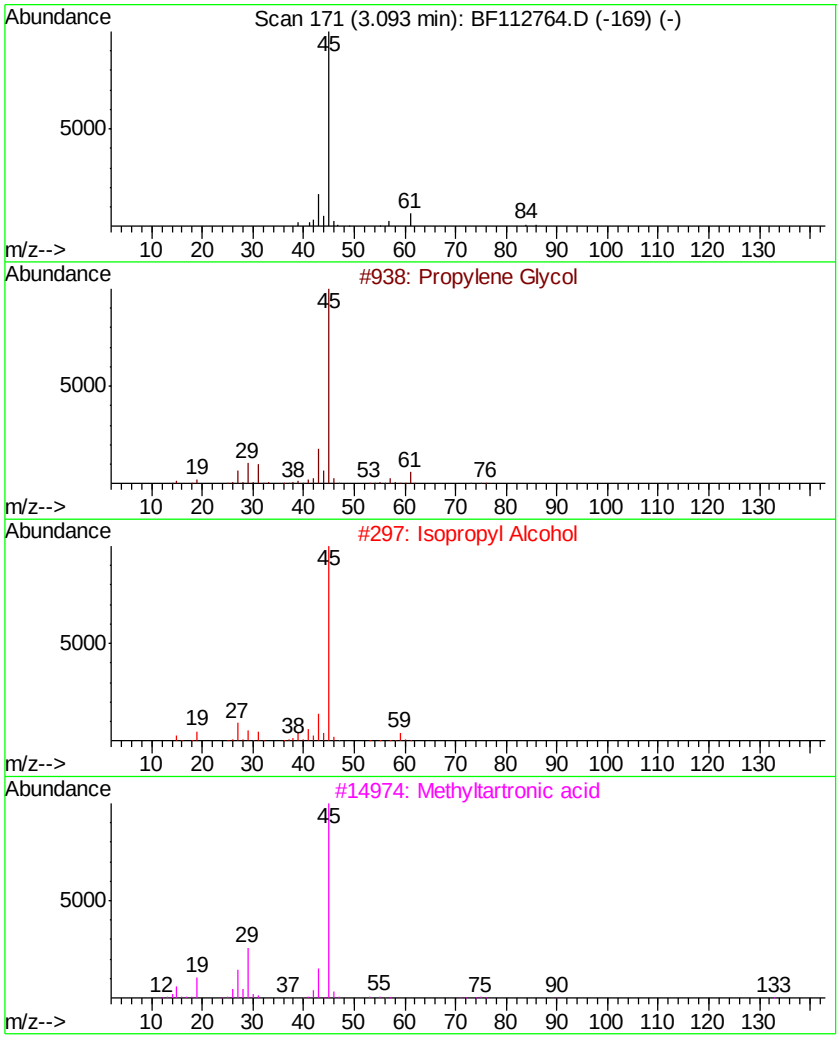
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

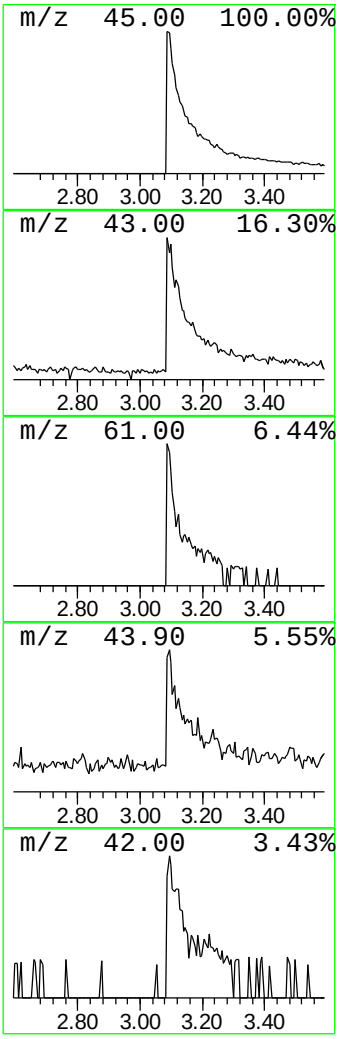
****

Peak Number 1 unknown3.09 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.09	2.96 ng	162854	1,4-Dichlorobenzene-d4	6.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propylene Glycol	76	C3H8O2	000057-55-6	9
2	Isopropyl Alcohol	60	C3H8O	000067-63-0	9
3	Methyltartronic acid	134	C4H6O5	000595-98-2	9
4	(S)-(+)-1,2-Propanediol	76	C3H8O2	004254-15-3	9
5	Ethanol, 2-methoxy-, carbonate (...	178	C7H14O5	000626-84-6	9





Library Search Compound Report

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Operator : JU/SJ
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Misc :
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Instrument : BNA_F
ClientSampleId : OR-03-022719-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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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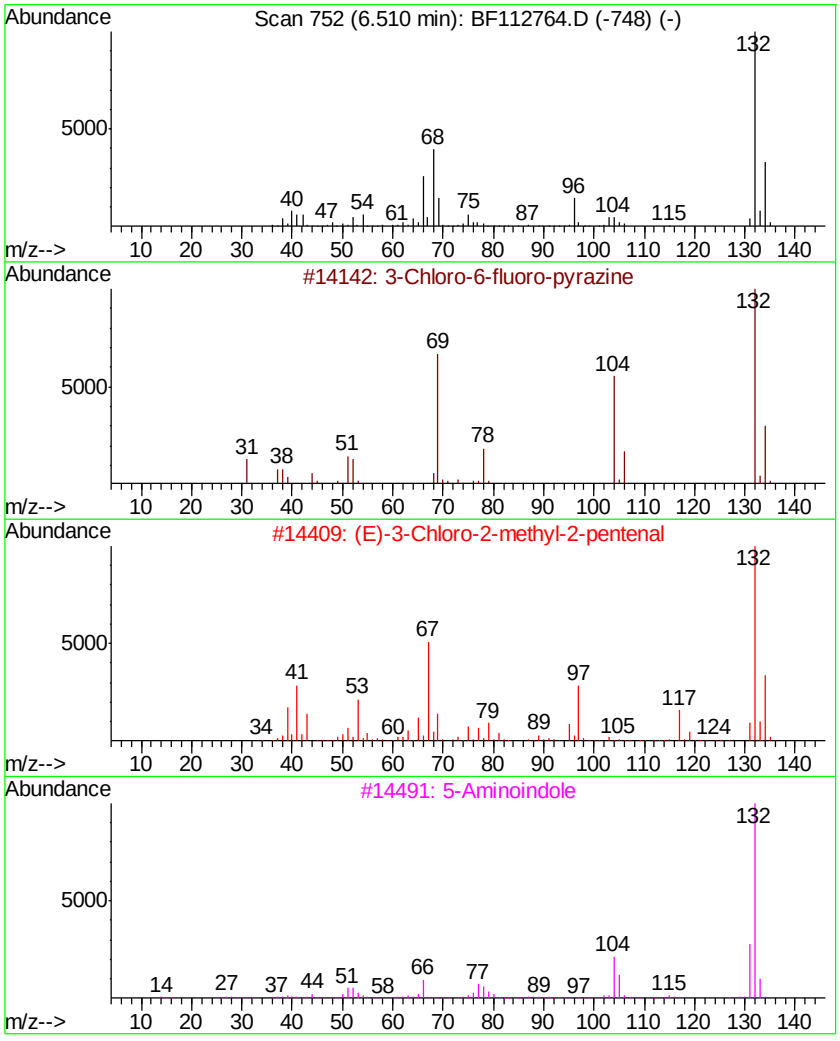
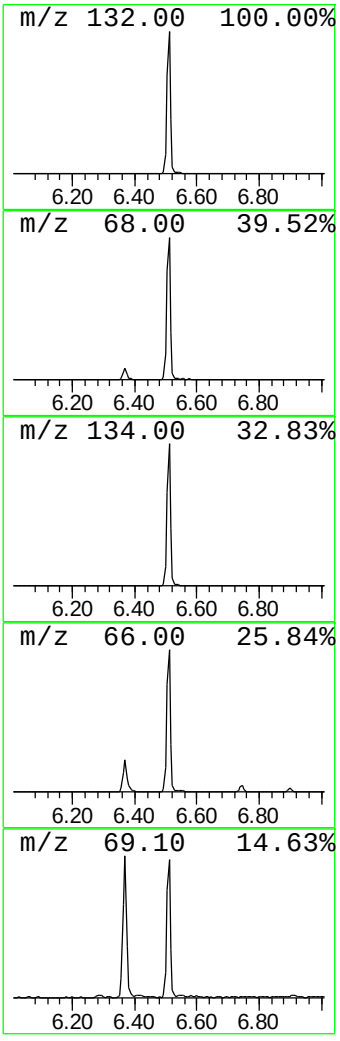
Peak Number 2 unknown6.51 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.51	14.20 ng	781504	1,4-Dichlorobenzene-d4	6.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
5	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9





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Instrument : BNA_F
ClientSampleId : OR-03-022719-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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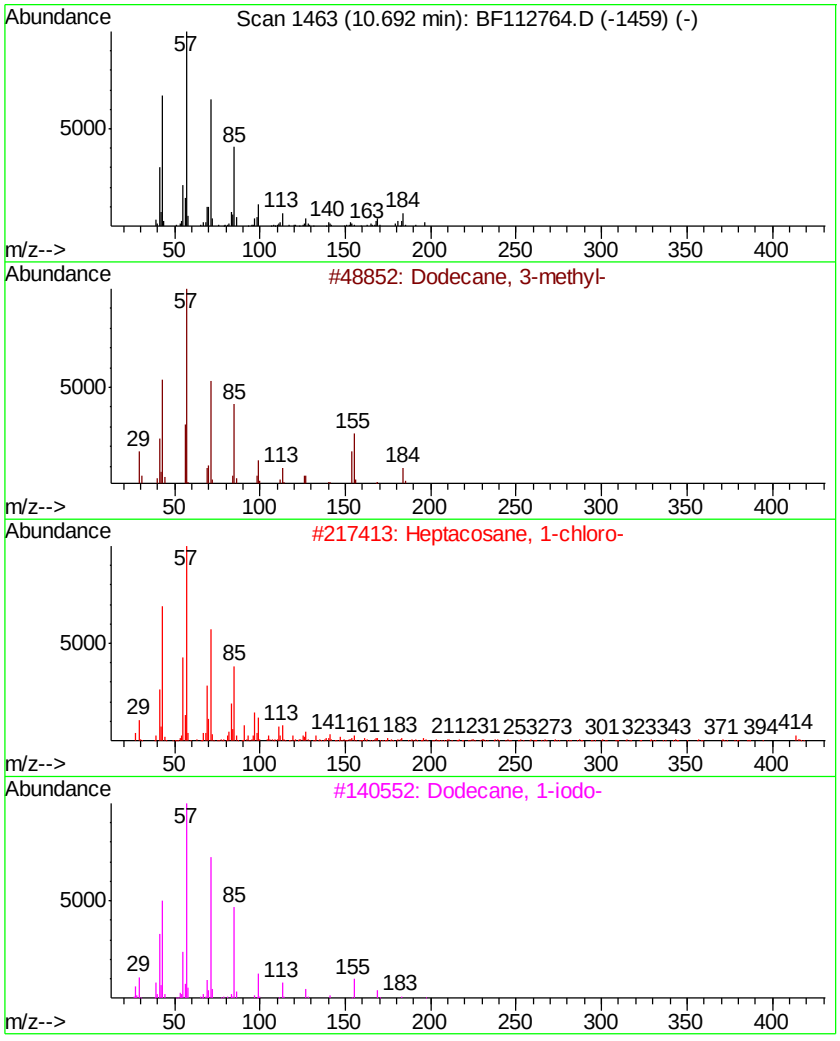
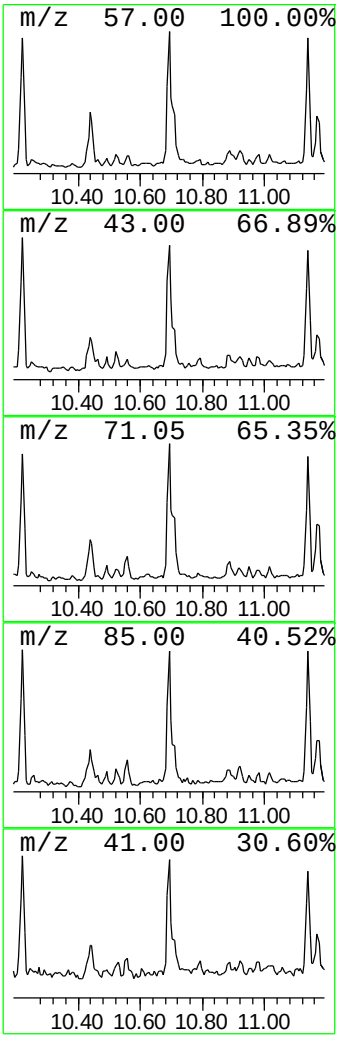
Peak Number 4 Dodecane, 3-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.69	2.75 ng	204619	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 3-methyl-	184	C13H28	017312-57-1	91
2	Heptacosane, 1-chloro-	414	C27H55Cl	062016-79-9	90
3	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	87
4	Heneicosane	296	C21H44	000629-94-7	87
5	Heptacosane	380	C27H56	000593-49-7	86





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TIC Library : C:\DATABASE\NIST11.L
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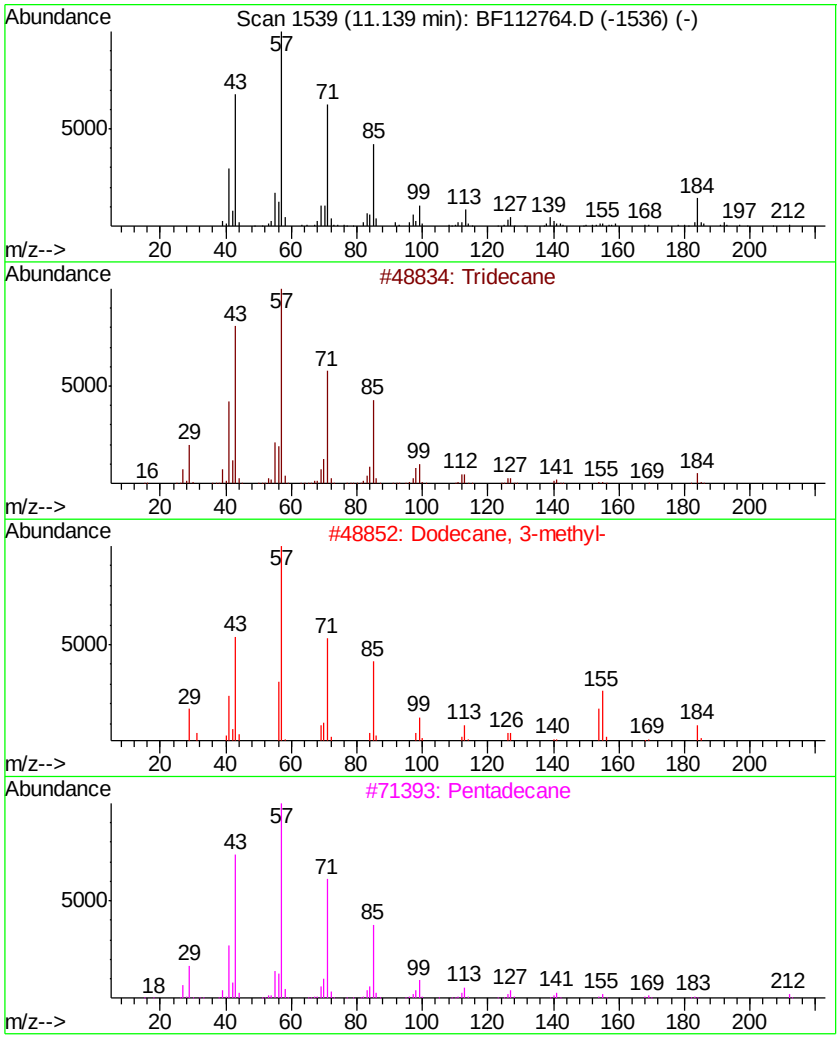
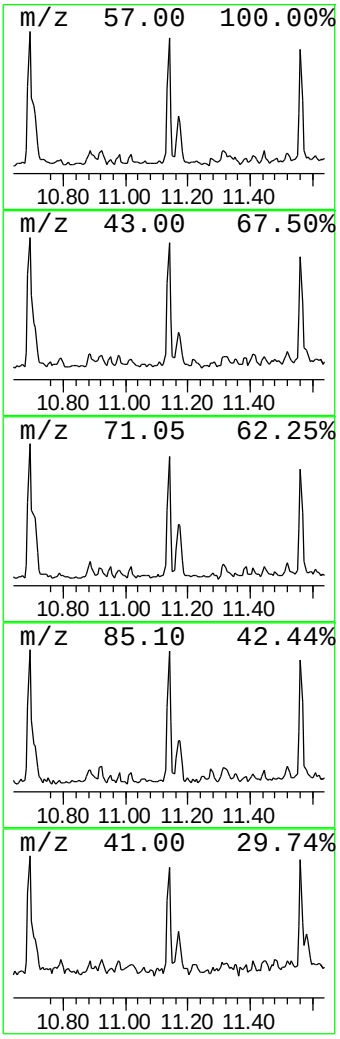
Peak Number 5 Tridecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.14	2.65 ng	196586	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	87
2	Dodecane, 3-methyl-	184	C13H28	017312-57-1	86
3	Pentadecane	212	C15H32	000629-62-9	81
4	Tetracosane	338	C24H50	000646-31-1	74
5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	72





Library Search Compound Report

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TIC Library : C:\DATABASE\NIST11.L
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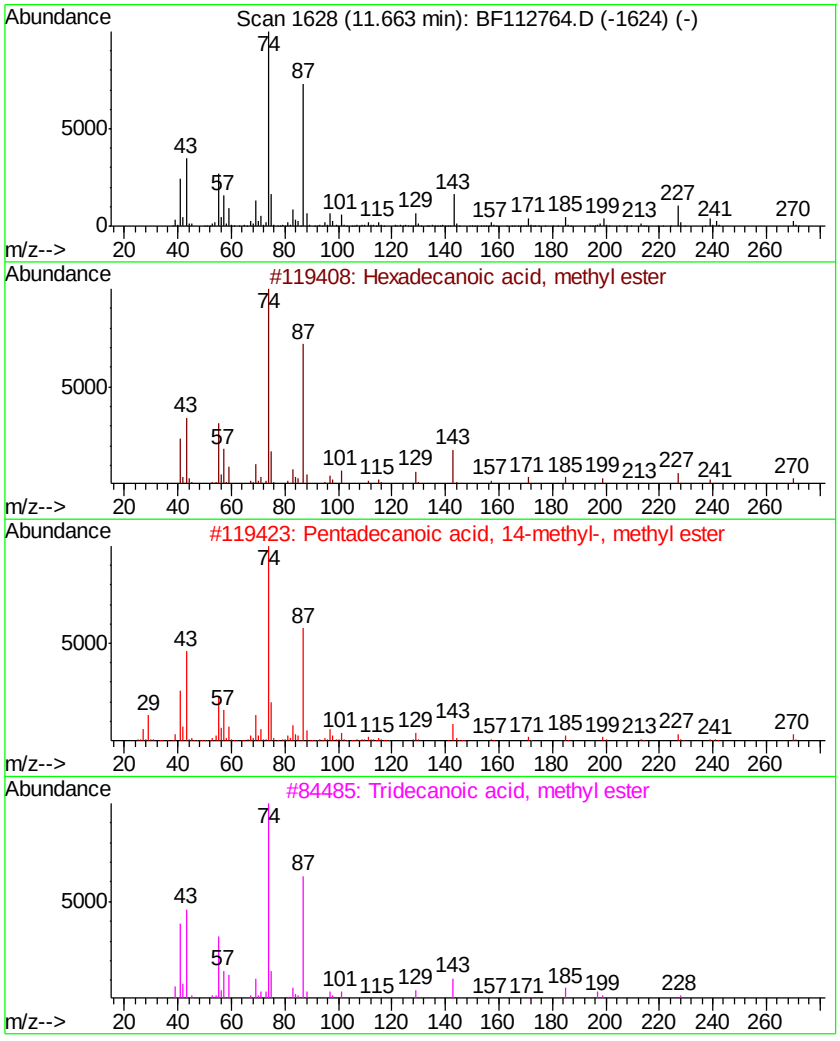
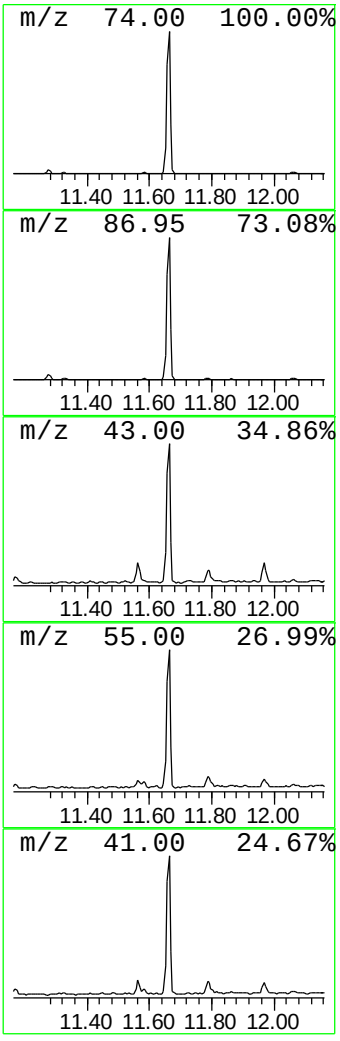
****

Peak Number 6 Hexadecanoic acid, methyl e... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.66	22.46 ng	1669070	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	98
2	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	93
3	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	93
4	Decanoic acid, methyl ester	186	C11H22O2	000110-42-9	81
5	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	80





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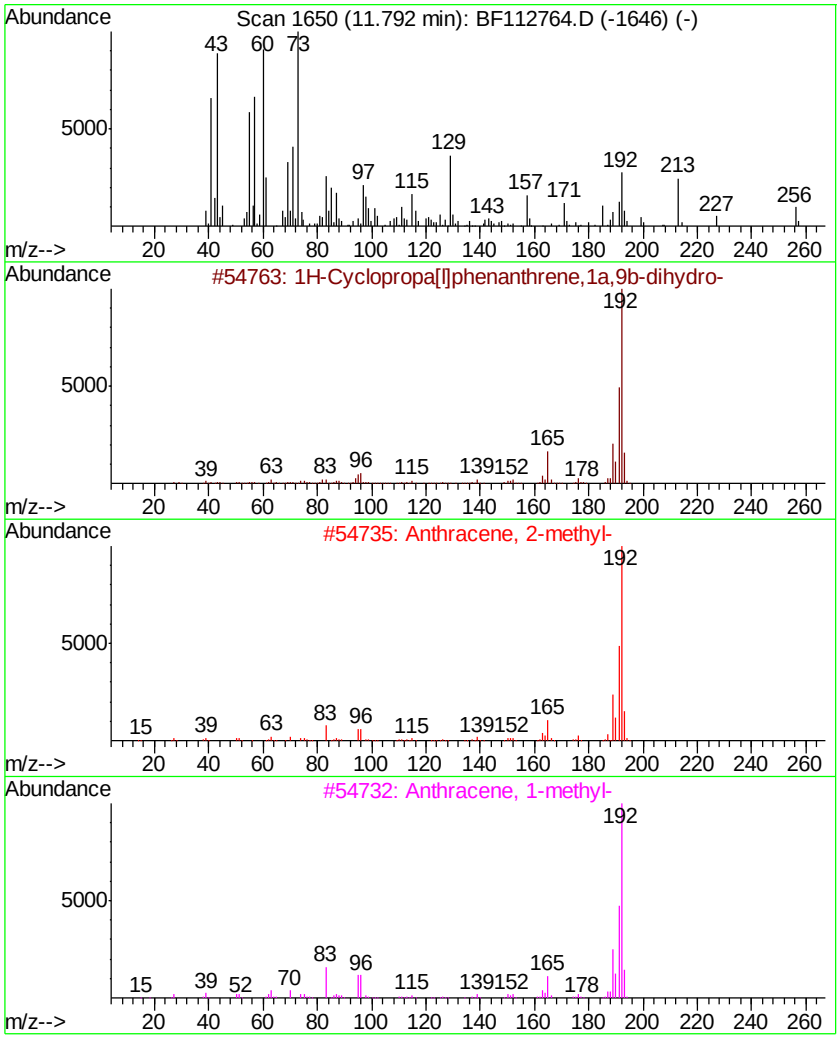
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

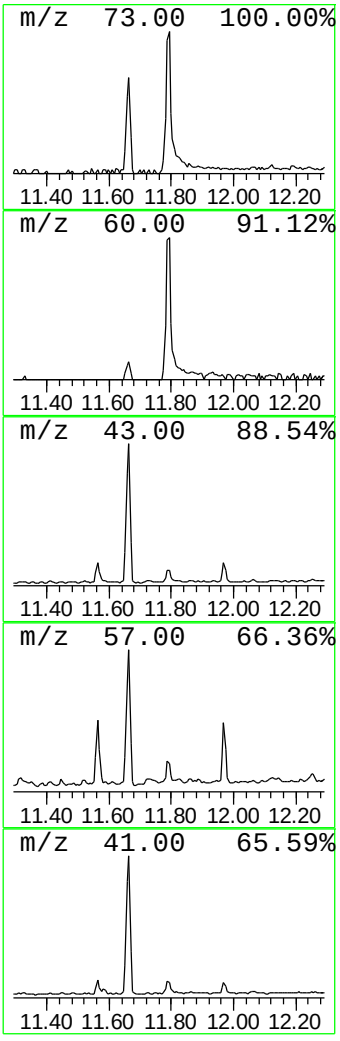
****

Peak Number 7 1H-Cyclopropa[l]phenanthren... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	3.46 ng	256922	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022819\
Data File : BF112764.D
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Sample : K1349-13 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-022719-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

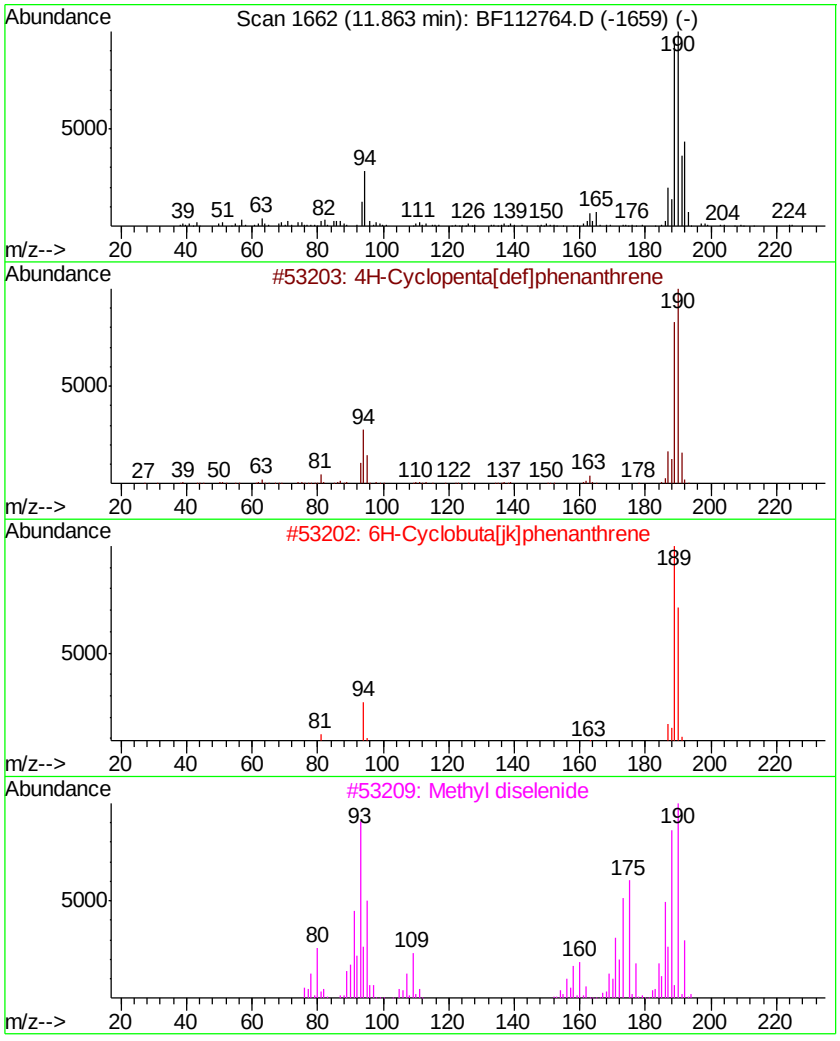
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

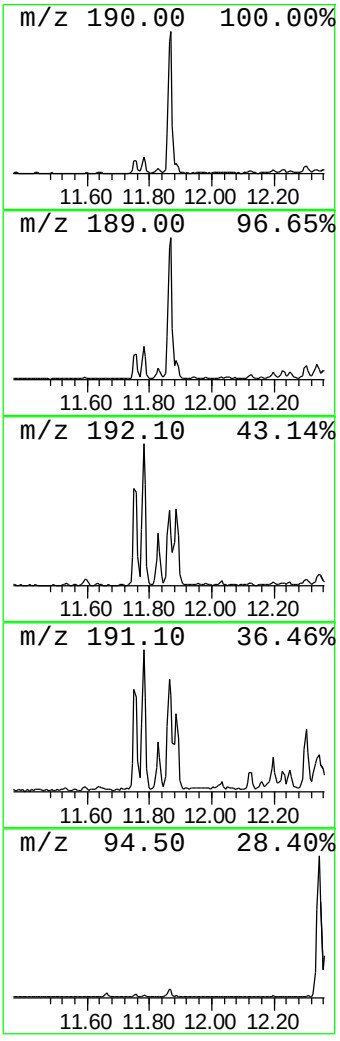
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	3.94 ng	292409	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
3	Methyl diselenide	190	C2H6Se2	007101-31-7	43
4	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	38
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	37





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022819\
Data File : BF112764.D
Acq On : 28 Feb 2019 16:03
Operator : JU/SJ
Sample : K1349-13 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-022719-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

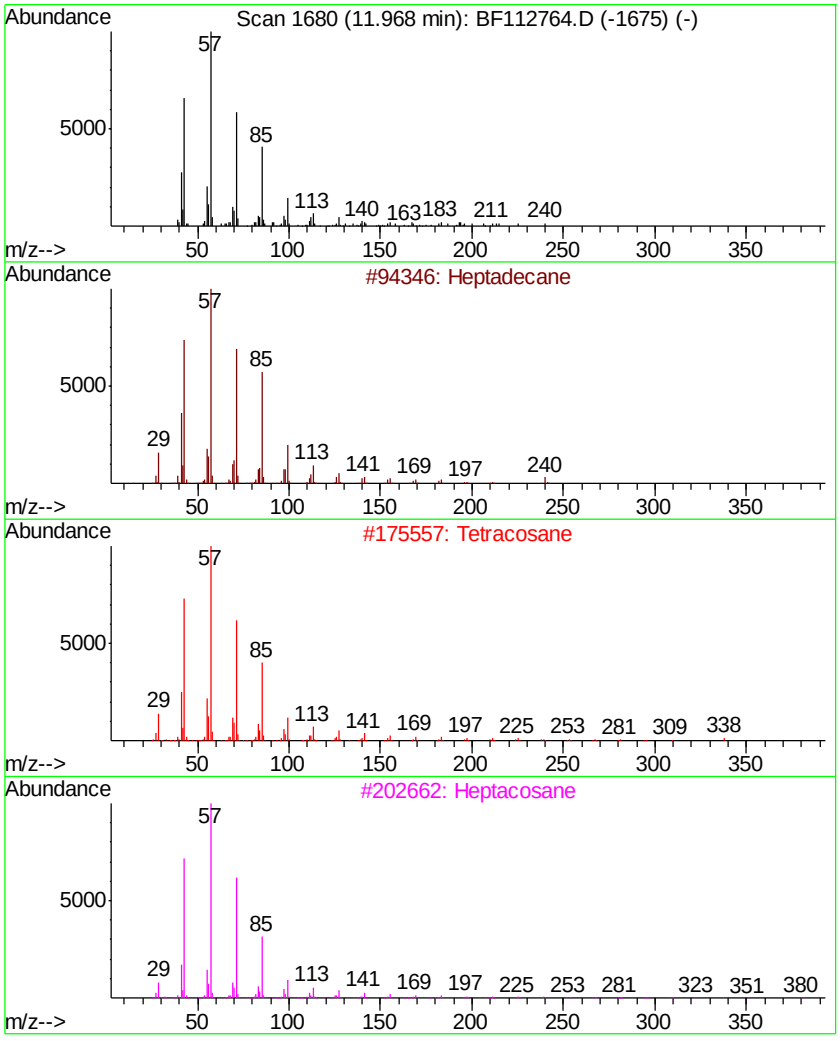
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

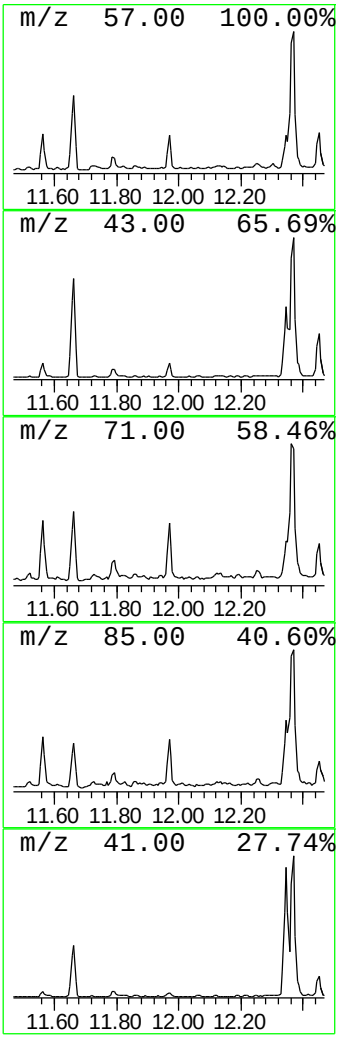
****

Peak Number 9 Heptadecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	2.09 ng	155510	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	93
2	Tetracosane	338	C24H50	000646-31-1	90
3	Heptacosane	380	C27H56	000593-49-7	87
4	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	87
5	Heptacosane, 1-chloro-	414	C27H55Cl	062016-79-9	86





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Sample : K1349-13 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-022719-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

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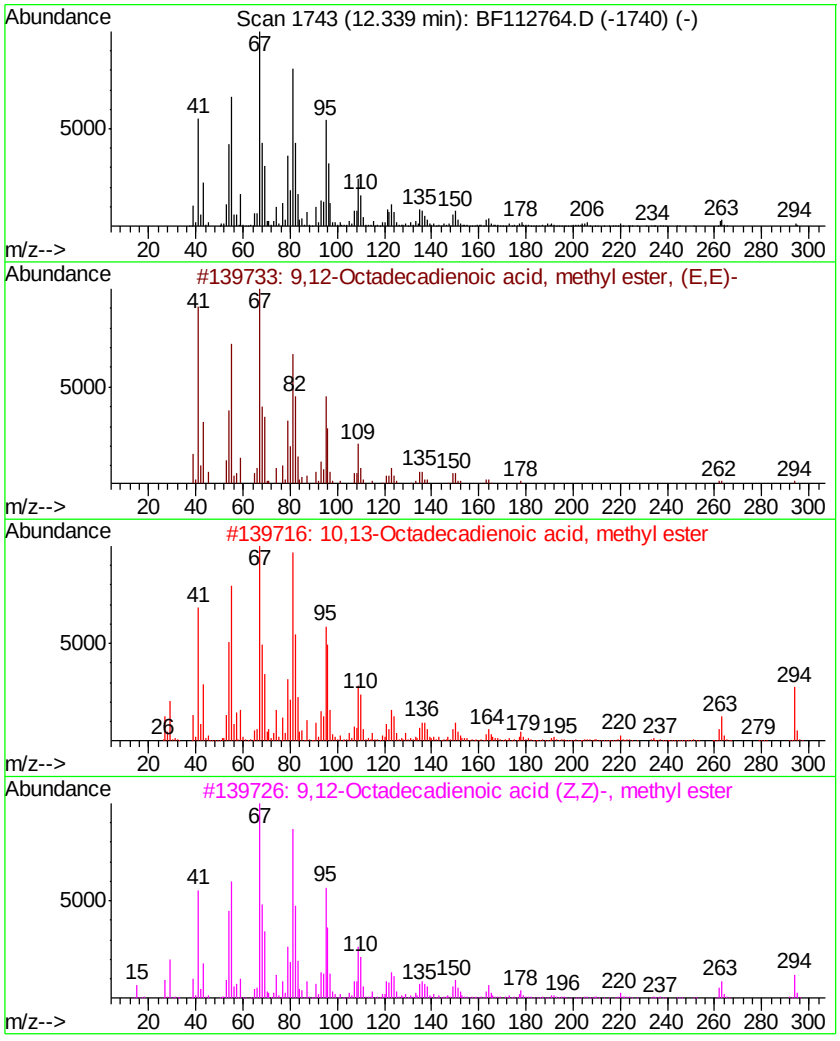
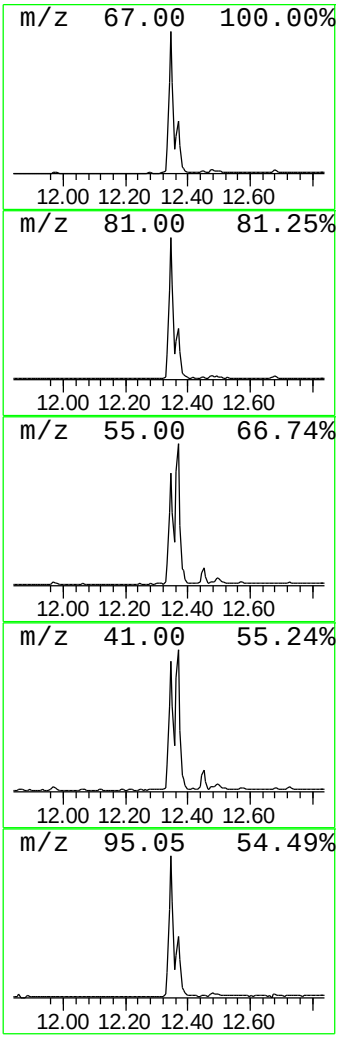
Peak Number 10 9,12-Octadecadienoic acid, ... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	69.82 ng	5187850	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	99
3	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
4	8,11-Octadecadienoic acid, methy...	294	C19H34O2	056599-58-7	99
5	Methyl 9-cis,11-trans-octadecadi...	294	C19H34O2	1000336-44-0	99





Library Search Compound Report

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Operator : JU/SJ
Sample : K1349-13 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-022719-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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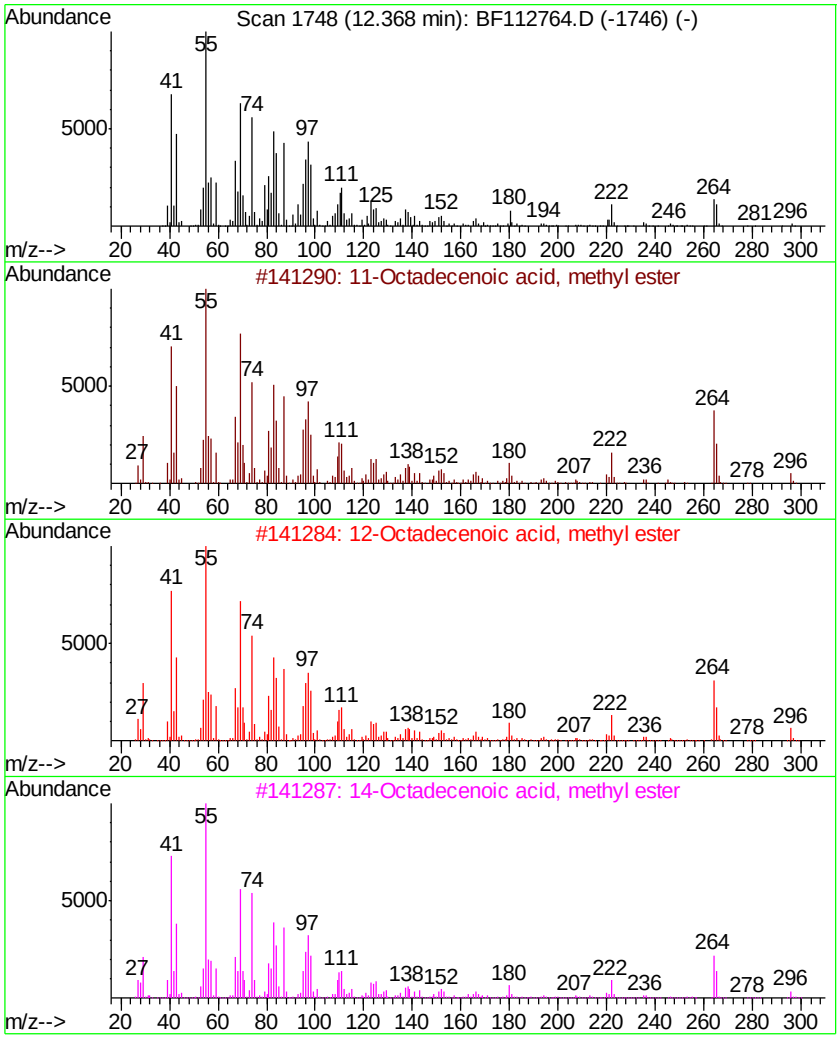
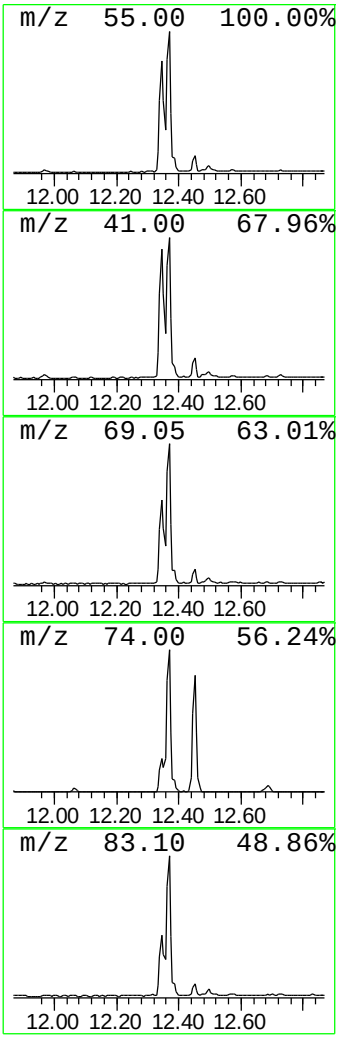
Peak Number 11 11-Octadecenoic acid, methy... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	62.86 ng	4671180	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11-Octadecenoic acid, methyl ester	296	C19H36O2	052380-33-3	99
2	12-Octadecenoic acid, methyl ester	296	C19H36O2	056554-46-2	99
3	14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	99
4	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	99
5	8-Octadecenoic acid, methyl ester	296	C19H36O2	002345-29-1	99





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Data File : BF112764.D
Acq On : 28 Feb 2019 16:03
Operator : JU/SJ
Sample : K1349-13 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-022719-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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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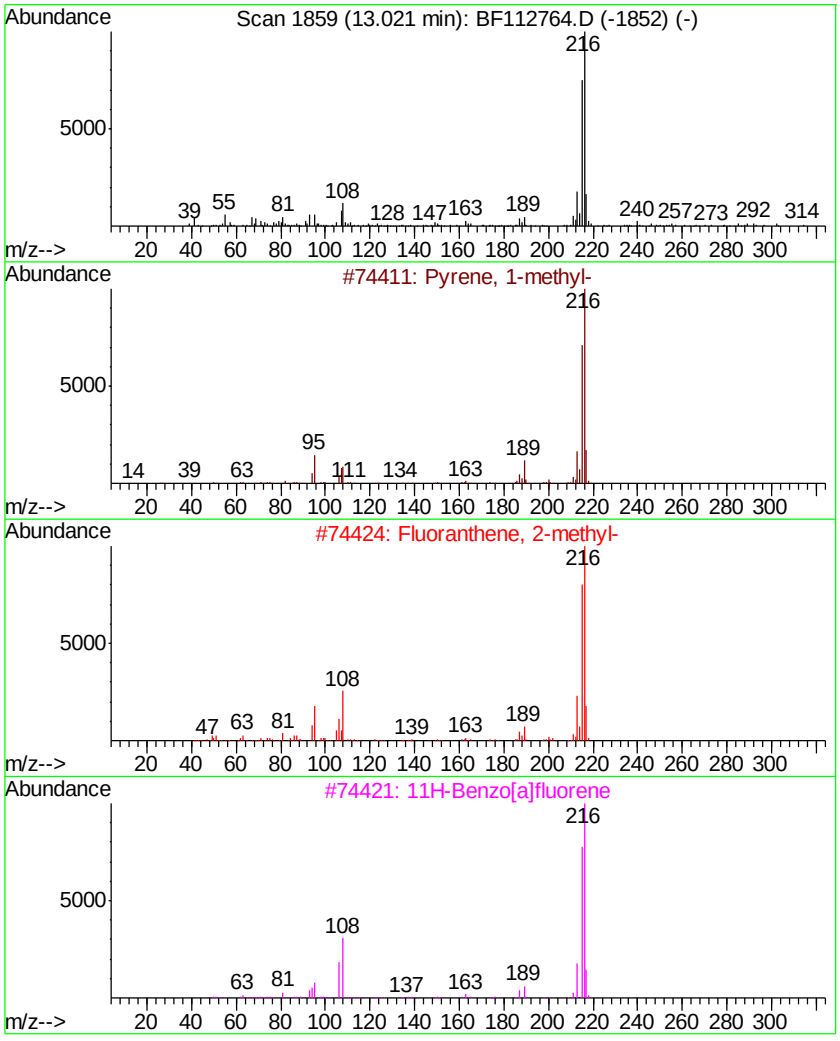
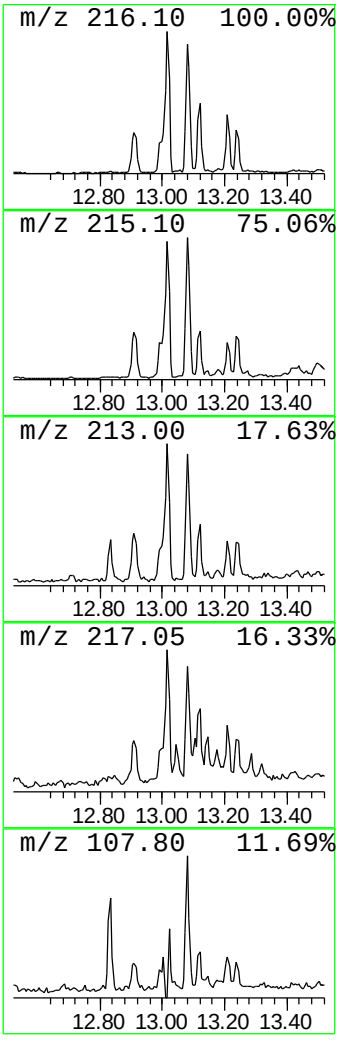
Peak Number 12 Pyrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.02	2.89 ng	302792	Chrysene-d12	13.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





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Data File : BF112764.D
Acq On : 28 Feb 2019 16:03
Operator : JU/SJ
Sample : K1349-13 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-022719-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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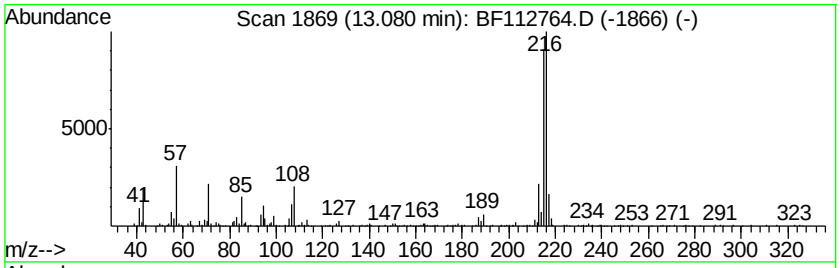
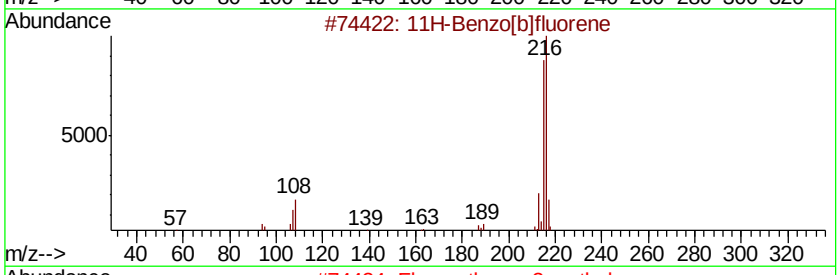
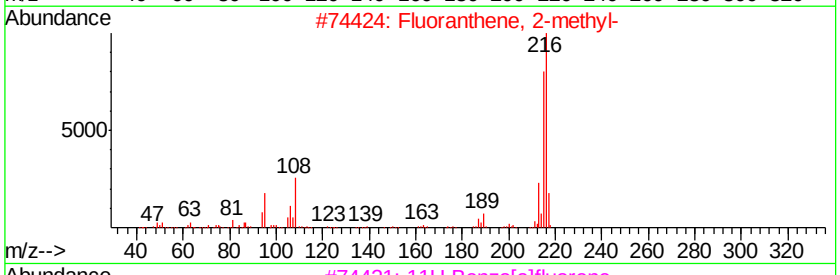
Peak Number 13 11H-Benzo[b]fluorene Concentration Rank 10

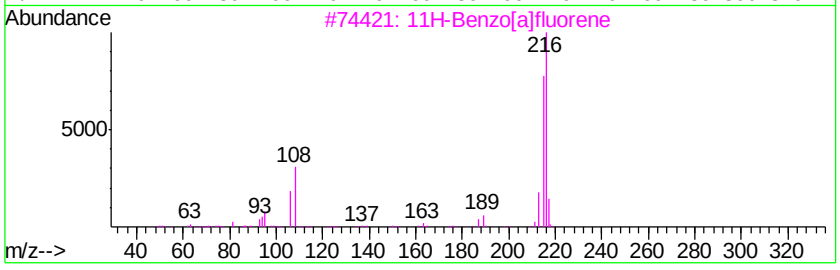
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.08	3.00 ng	313901	Chrysene-d12	13.88

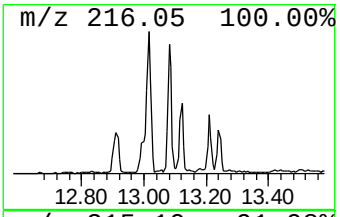
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	68

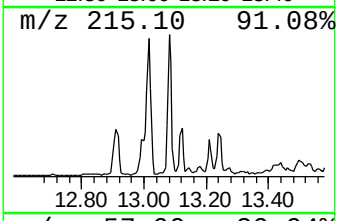


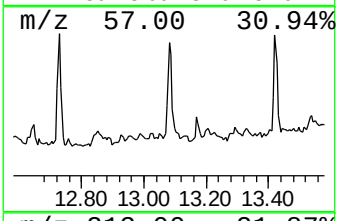


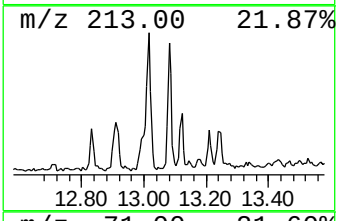


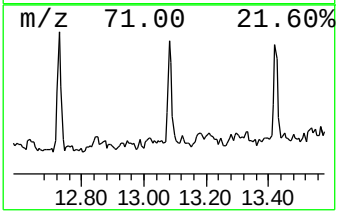












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Acq On : 28 Feb 2019 16:03
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Sample : K1349-13 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-022719-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

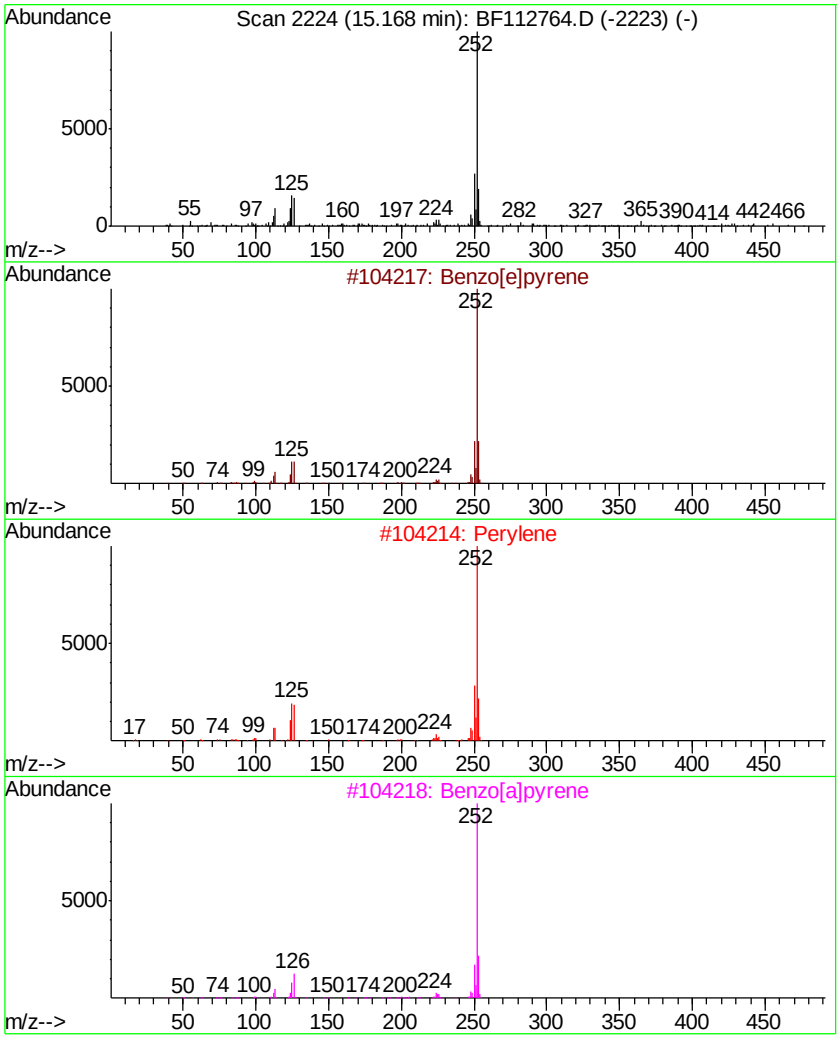
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

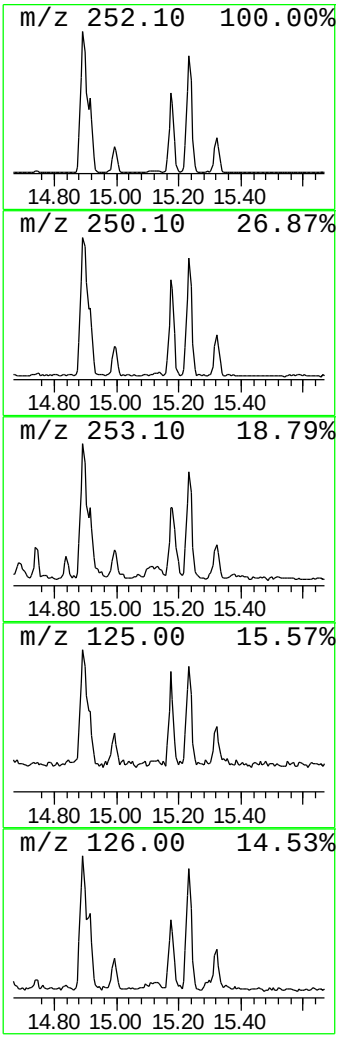
****

Peak Number 15 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.17	7.30 ng	280026	Perylene-d12	15.29

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





Tentatively Identified Compound (LSC) summary

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown3.09	3.09	3.0	ng	162854	1	6.75	1100880	20.0
unknown6.51	6.51	14.2	ng	781504	1	6.75	1100880	20.0
Dodecane, 3-methyl-	10.69	2.8	ng	204619	4	11.25	1486140	20.0
Tridecane	11.14	2.6	ng	196586	4	11.25	1486140	20.0
Hexadecanoic acid...	11.66	22.5	ng	1669070	4	11.25	1486140	20.0
1H-Cyclopropa[l]p...	11.79	3.5	ng	256922	4	11.25	1486140	20.0
4H-Cyclopenta[def...	11.86	3.9	ng	292409	4	11.25	1486140	20.0
Heptadecane	11.97	2.1	ng	155510	4	11.25	1486140	20.0
9,12-Octadecadien...	12.34	69.8	ng	5187850	4	11.25	1486140	20.0
11-Octadecenoic a...	12.37	62.9	ng	4671180	4	11.25	1486140	20.0
Pyrene, 1-methyl-	13.02	2.9	ng	302792	5	13.88	2092020	20.0
11H-Benzo[b]fluorene	13.08	3.0	ng	313901	5	13.88	2092020	20.0
Benzo[e]pyrene	15.17	7.3	ng	280026	6	15.29	767095	20.0