LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030119\
Data File : BF112810.D
Acq On : 1 Mar 2019 19:59
Operator : JU/SJ
Sample : K1675-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : Z-3-2-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	5.357	550	556	559	rBV	3655590	3698000	92.76%	7.725%
2	6.381	724	730	734	rBV	3425074	3986605	100.00%	8.327%
3	6.510	748	752	756	rBV	3890070	3884999	97.45%	8.115%
4	6.745	788	792	795	rBV	1182446	1053268	26.42%	2.200%
5	6.898	814	818	822	rBV	3216644	2984995	74.88%	6.235%
6	7.304	881	887	899	rBV	2250047	2448461	61.42%	5.114%
7	8.022	1005	1009	1028	rBV	1300185	1314792	32.98%	2.746%
8	9.098	1188	1192	1203	rBV	4241114	3983713	99.93%	8.321%
9	9.492	1255	1259	1264	rVB	182273	175727	4.41%	0.367%
10	9.633	1280	1283	1286	rBV	42854	41340	1.04%	0.086%
11	9.775	1301	1307	1310	rBV	1312181	1274260	31.96%	2.662%
12	9.804	1310	1312	1315	rVB	63545	55667	1.40%	0.116%
13	10.316	1396	1399	1405	rVB	56372	49559	1.24%	0.104%
14	10.557	1435	1440	1452	rBV	2281495	2304527	57.81%	4.814%
15	10.686	1455	1462	1469	rVB6	39608	67492	1.69%	0.141%
16	11.051	1522	1524	1529	rVB	67876	66948	1.68%	0.140%
17	11.145	1536	1540	1542	rBV2	49678	48745	1.22%	0.102%
18	11.251	1554	1558	1560	rBV	1280996	1219073	30.58%	2.546%
19	11.275	1560	1562	1565	rVV	973215	772550	19.38%	1.614%
20	11.322	1565	1570	1573	rVB	175728	172138	4.32%	0.360%
21	11.475	1591	1596	1600	rBV2	76785	80119	2.01%	0.167%
22	11.545	1604	1608	1612	rBV2	26534	44916	1.13%	0.094%
23	11.580	1612	1614	1617	rVB	53618	42384	1.06%	0.089%
24	11.751	1640	1643	1645	rBV	189942	154869	3.88%	0.323%
25	11.786	1645	1649	1653	rVV2	526227	641937	16.10%	1.341%
26	11.822	1653	1655	1658	rVV2	89809	90333	2.27%	0.189%
27	11.857	1658	1661	1664	rVV	244219	278840	6.99%	0.582%
28	11.880	1664	1665	1669	rVB	142095	97001	2.43%	0.203%
29	12.045	1690	1693	1694	rBV	113225	94129	2.36%	0.197%
30	12.063	1694	1696	1703	rVB2	143971	154973	3.89%	0.324%
31	12.122	1703	1706	1713	rBV3	23804	41264	1.04%	0.086%
32	12.192	1716	1718	1721	rVB	52711	44789	1.12%	0.094%
33	12.298	1733	1736	1739	rBV	154769	153577	3.85%	0.321%
34	12.333	1739	1742	1744	rVV2	64957	80263	2.01%	0.168%

LSC Area Percent Report

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Operator : JU/SJ
Sample : K1675-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : Z-3-2-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	12.374	1747	1749	1755	rVB2	115357	133537	3.35%	0.279%
36	12.457	1759	1763	1767	rBV	1716348	1483230	37.21%	3.098%
37	12.569	1779	1782	1786	rBV2	179276	201014	5.04%	0.420%
38	12.604	1786	1788	1792	rVB	58073	60829	1.53%	0.127%
39	12.680	1796	1801	1805	rBV	1411766	1483758	37.22%	3.099%
40	12.727	1806	1809	1816	rVB3	74549	135445	3.40%	0.283%
41	12.804	1819	1822	1823	rBV	86865	76977	1.93%	0.161%
42	12.833	1823	1827	1830	rVV	3621455	3279351	82.26%	6.850%
43	12.904	1834	1839	1842	rBV2	122957	180477	4.53%	0.377%
44	12.986	1851	1853	1855	rBV3	78853	89133	2.24%	0.186%
45	13.010	1855	1857	1860	rVB	154384	131916	3.31%	0.276%
46	13.051	1861	1864	1866	rBV3	33000	41883	1.05%	0.087%
47	13.074	1866	1868	1871	rVB	96175	87135	2.19%	0.182%
48	13.116	1871	1875	1878	rBV	177802	182453	4.58%	0.381%
49	13.204	1887	1890	1893	rVB	95613	84400	2.12%	0.176%
50	13.233	1893	1895	1900	rBV	96135	92093	2.31%	0.192%
51	13.416	1924	1926	1929	rVB2	68684	59473	1.49%	0.124%
52	13.510	1939	1942	1948	rBV	202278	226295	5.68%	0.473%
53	13.621	1957	1961	1964	rBV2	199170	268106	6.73%	0.560%
54	13.657	1964	1967	1968	rVV	144762	138419	3.47%	0.289%
55	13.674	1968	1970	1974	rVV2	108168	165391	4.15%	0.345%
56	13.733	1974	1980	1986	rVB3	460129	686989	17.23%	1.435%
57	13.874	1996	2004	2007	rBV2	1655607	2339221	58.68%	4.886%
58	13.898	2007	2008	2011	rVB	746667	507733	12.74%	1.061%
59	14.063	2033	2036	2038	rVB2	151713	142581	3.58%	0.298%
60	14.092	2038	2041	2045	rBV2	69502	83908	2.10%	0.175%
61	14.133	2046	2048	2050	rBV2	56171	42733	1.07%	0.089%
62	14.263	2067	2070	2072	rVB	131419	119003	2.99%	0.249%
63	14.298	2073	2076	2078	rVB2	90571	87869	2.20%	0.184%
64	14.363	2085	2087	2089	rBV2	93930	83635	2.10%	0.175%
65	14.663	2135	2138	2144	rVB2	142697	163028	4.09%	0.341%
66	14.886	2172	2176	2179	rBV	598411	878288	22.03%	1.835%
67	14.980	2190	2192	2199	rVB2	205732	256272	6.43%	0.535%
68	15.168	2220	2224	2230	rVB	333043	394820	9.90%	0.825%
69	15.227	2230	2234	2238	rBV	427525	460480	11.55%	0.962%
70	15.286	2240	2244	2247	rBV	730292	856899	21.49%	1.790%
71	16.645	2471	2475	2482	rVB2	189246	335583	8.42%	0.701%

LSC Area Percent Report

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ClientSampleId : Z-3-2-A

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Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	17.051	2540	2544	2550	rVB	133238	230710	5.79%	0.482%

Sum of corrected areas: 47873320

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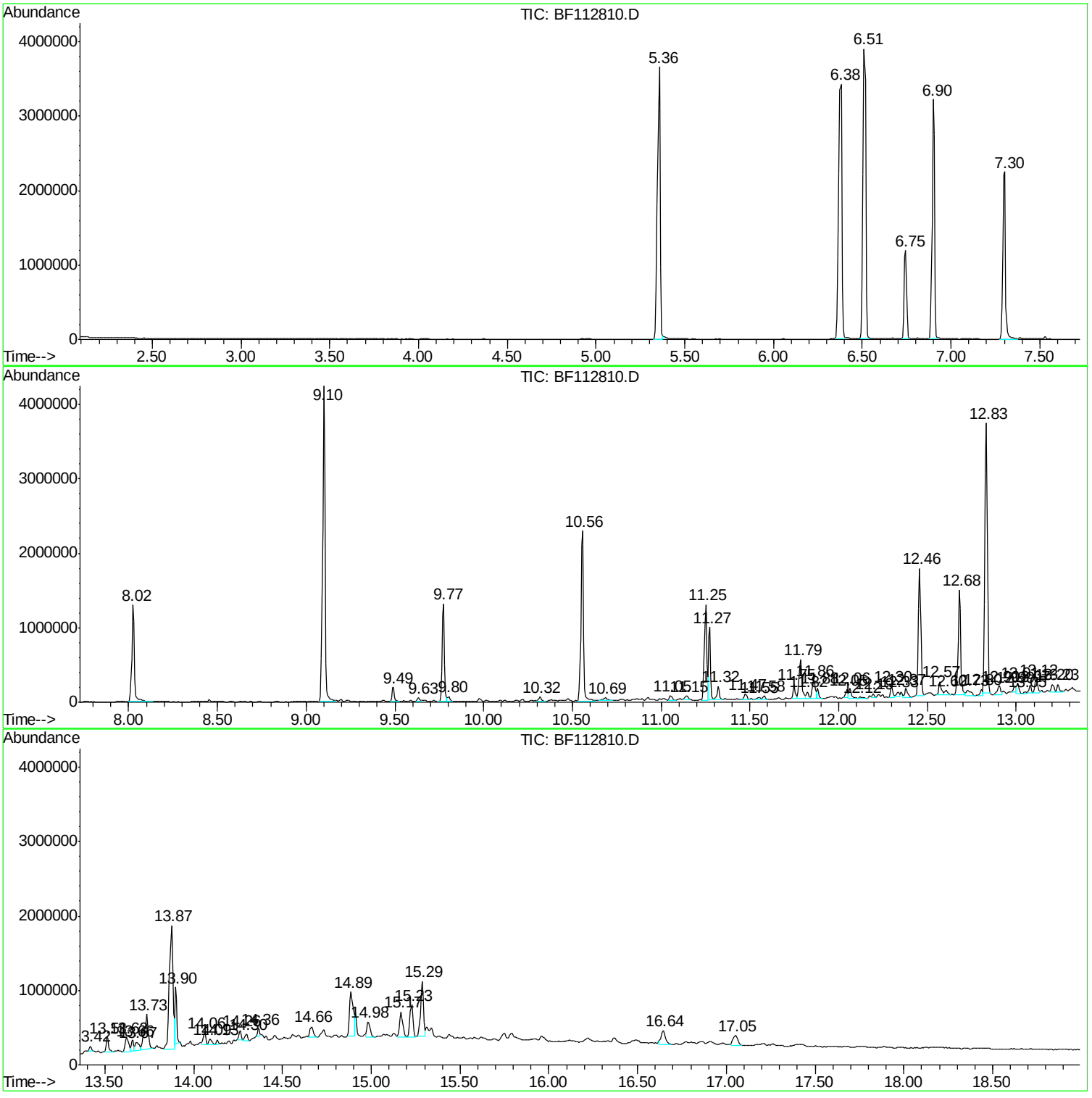
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030119\
Data File : BF112810.D
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Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

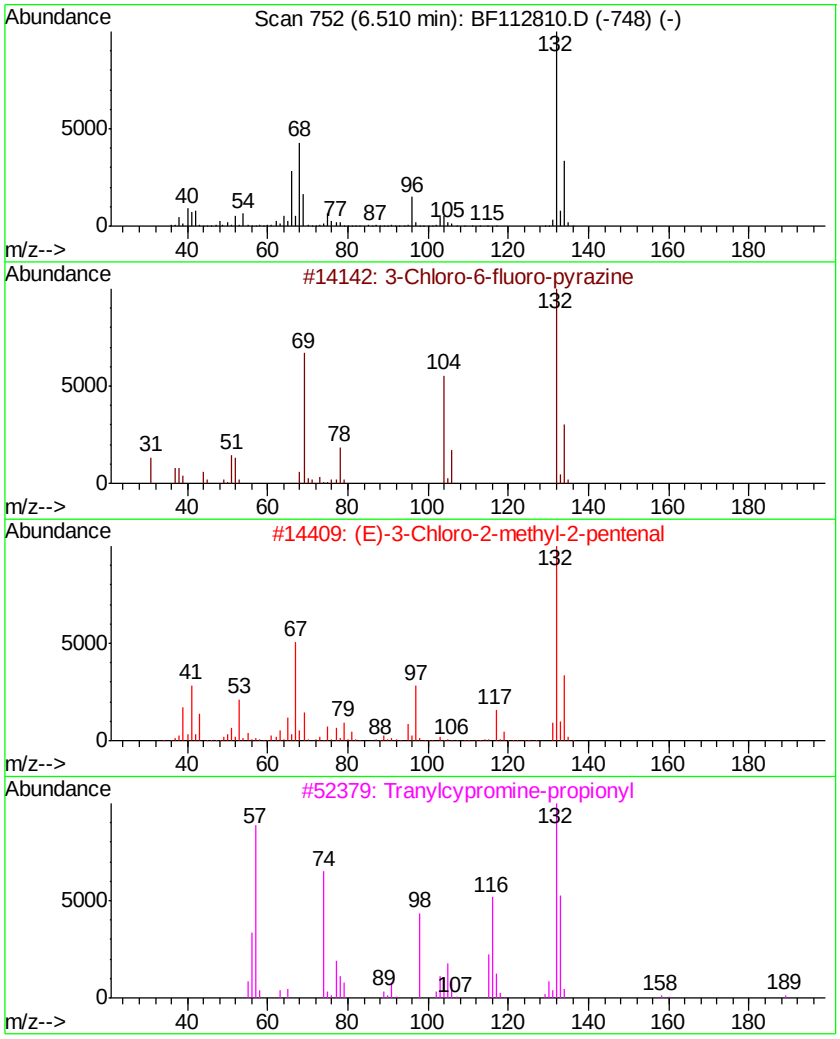
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

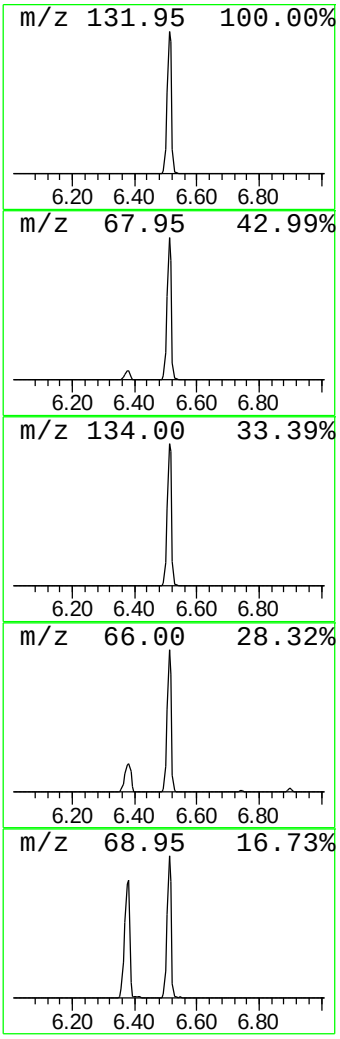
****

Peak Number 1 unknown6.51 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.51	73.77 ng	3885000	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	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
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





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030119\
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Sample : K1675-13
Misc :
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Instrument : BNA_F
ClientSampleId : Z-3-2-A

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

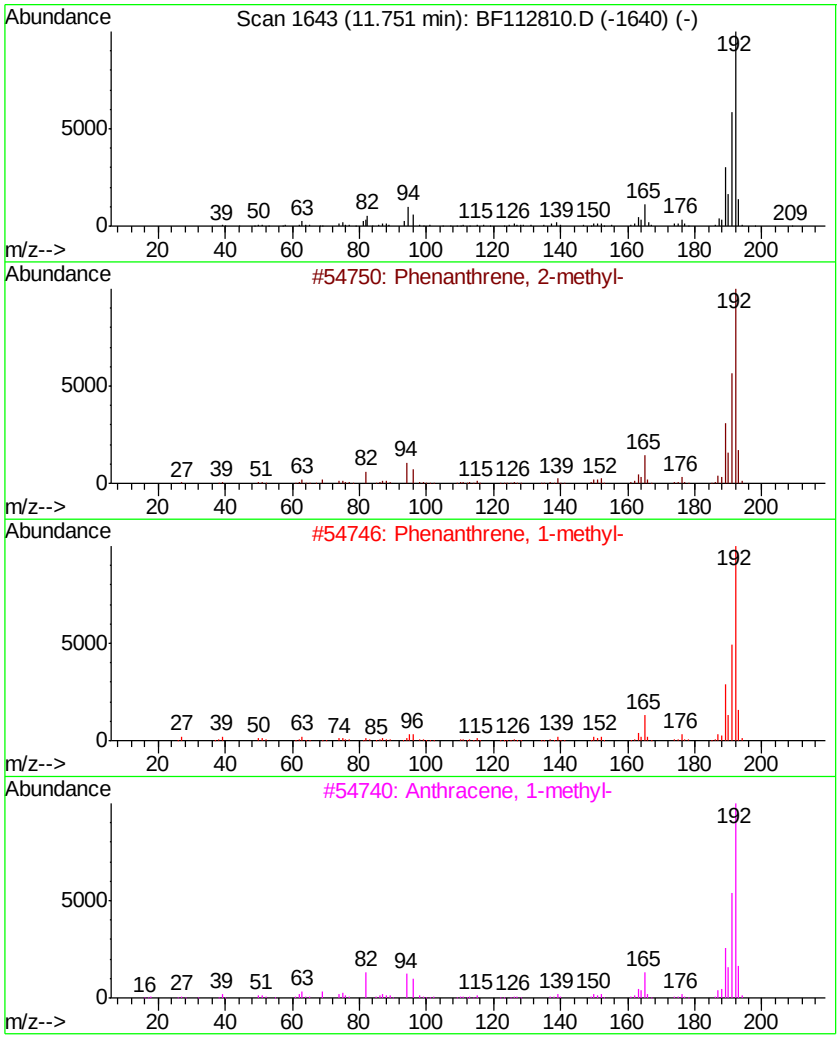
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

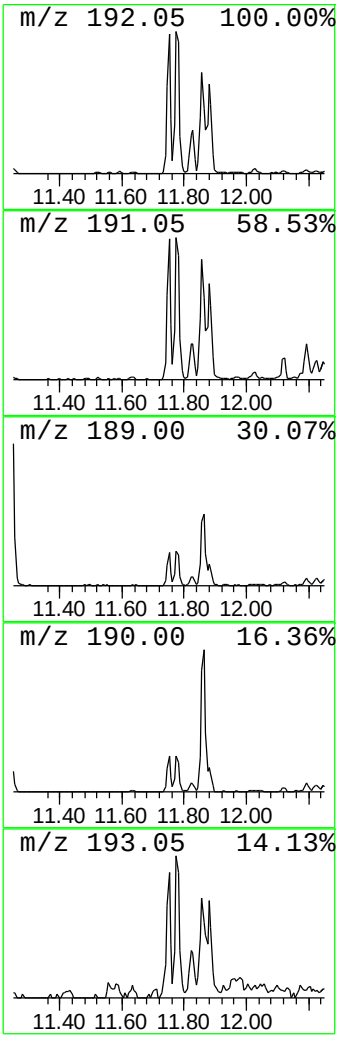
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	2.54 ng	154869	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030119\
Data File : BF112810.D
Acq On : 1 Mar 2019 19:59
Operator : JU/SJ
Sample : K1675-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : Z-3-2-A

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

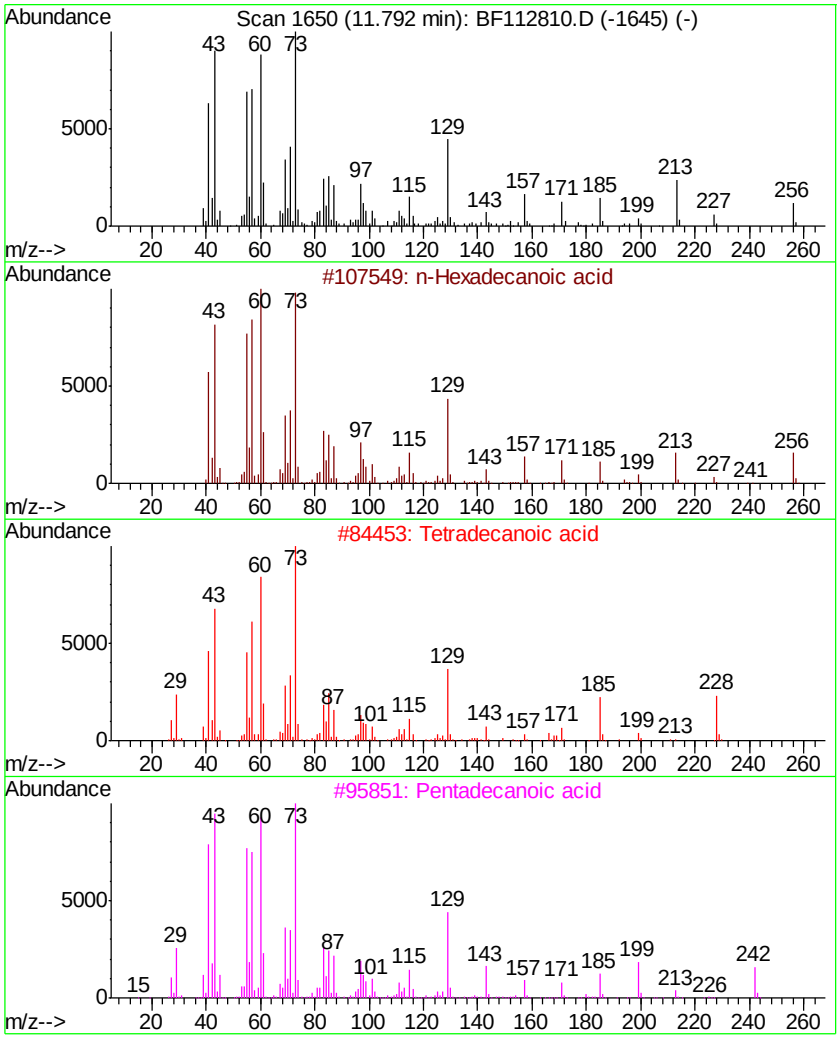
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

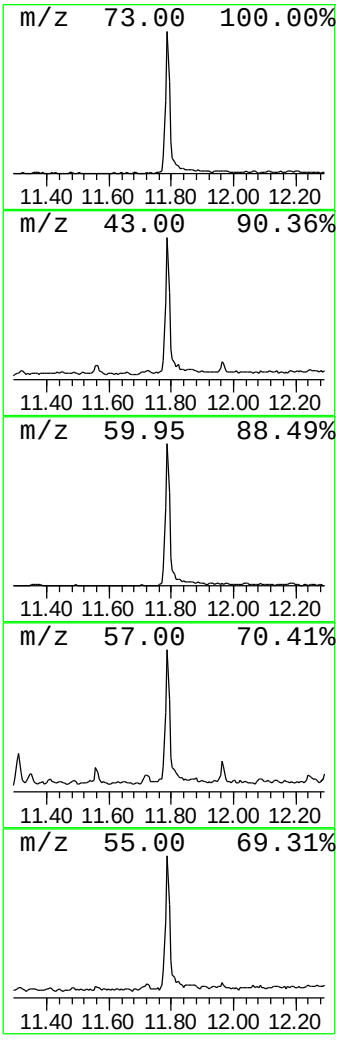
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	10.53 ng	641937	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	95
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
4	Tridecanoic acid	214	C13H26O2	000638-53-9	81
5	Undecanoic acid	186	C11H22O2	000112-37-8	68





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

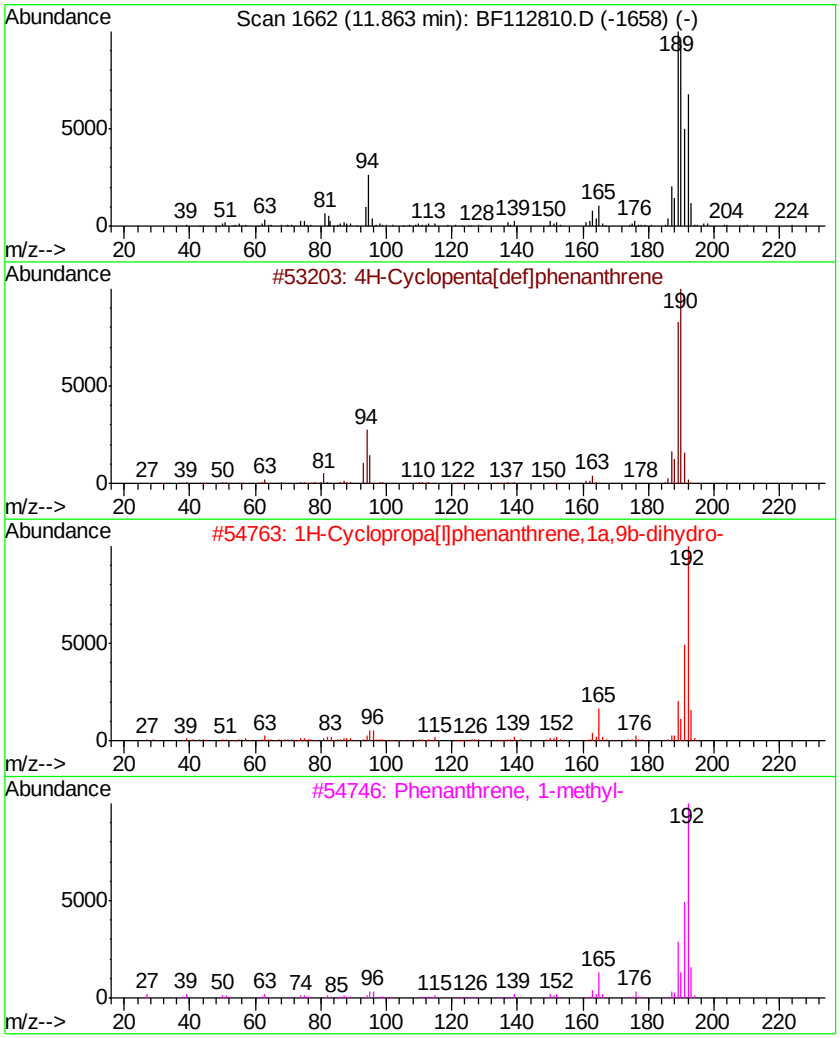
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

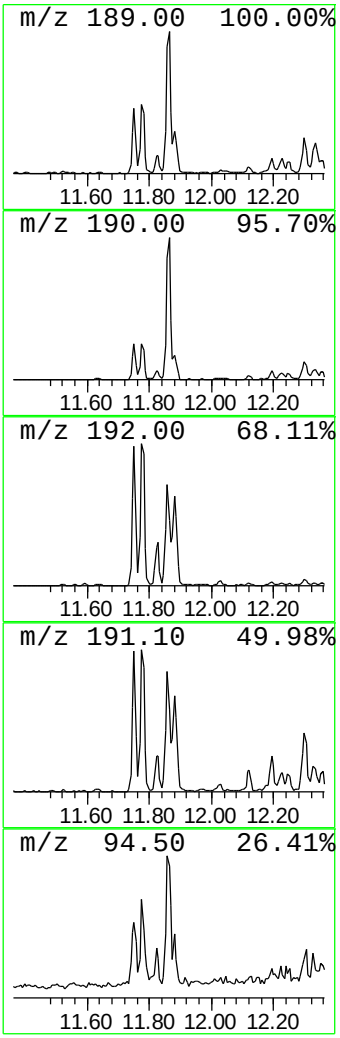
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	4.57 ng	278840	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	46
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	46
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42





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Instrument : BNA_F
ClientSampleId : Z-3-2-A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

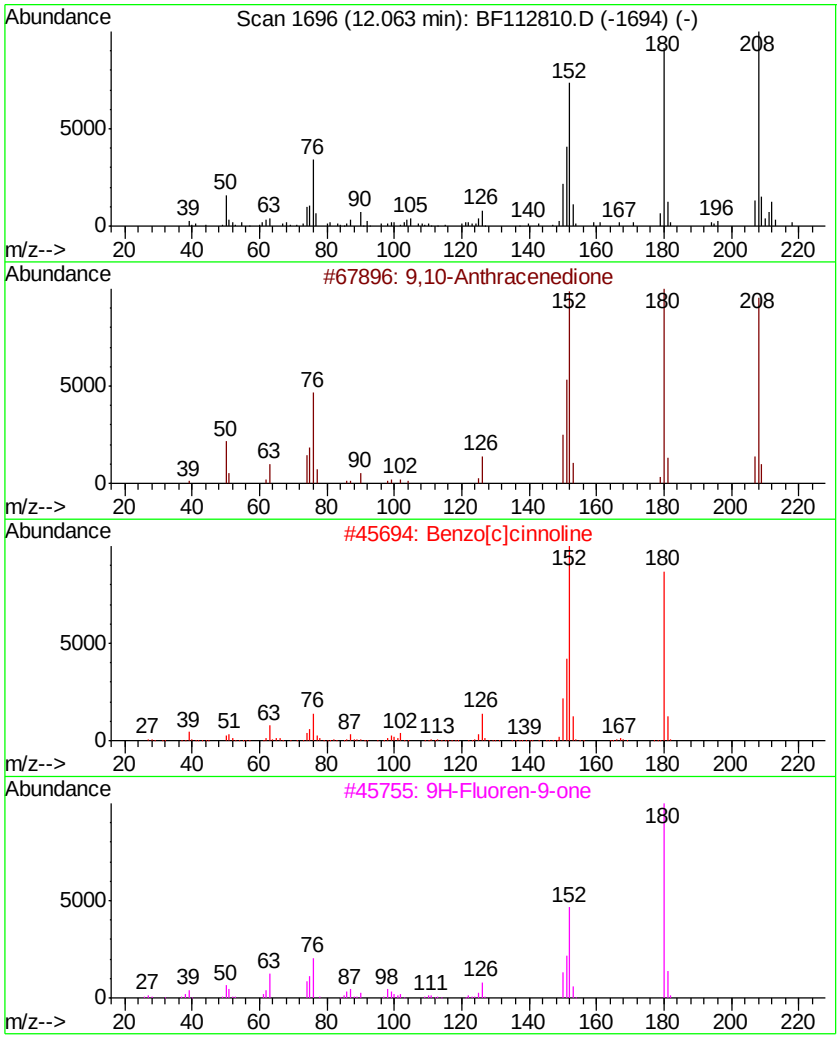
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

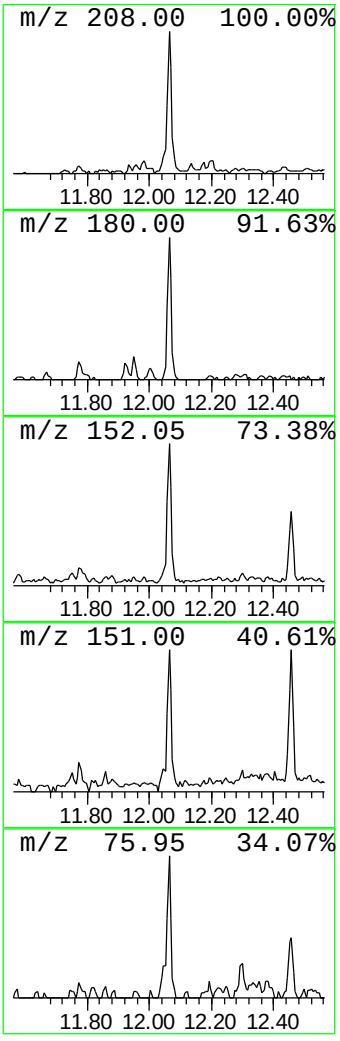
****

Peak Number 6 9,10-Anthracenedione Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	2.54 ng	154973	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	58
4	1,4-Anthracenedione	208	C14H8O2	000635-12-1	49
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	49





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Misc :
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Instrument : BNA_F
ClientSampleId : Z-3-2-A

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

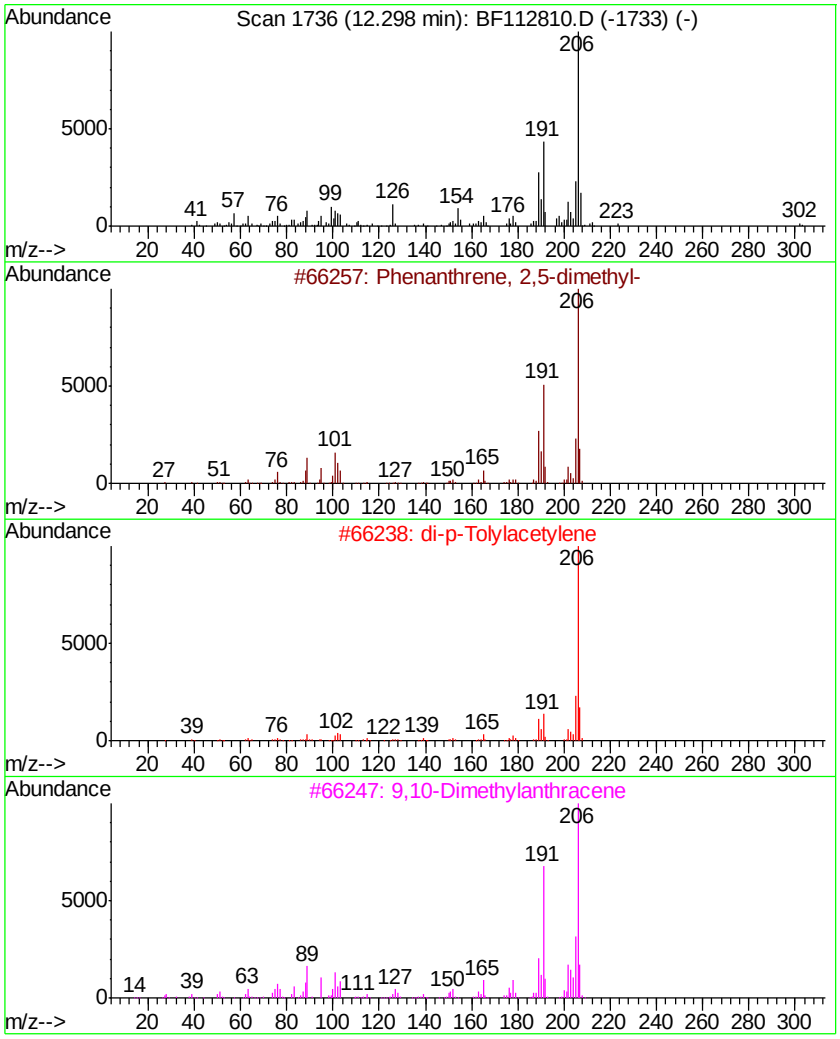
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

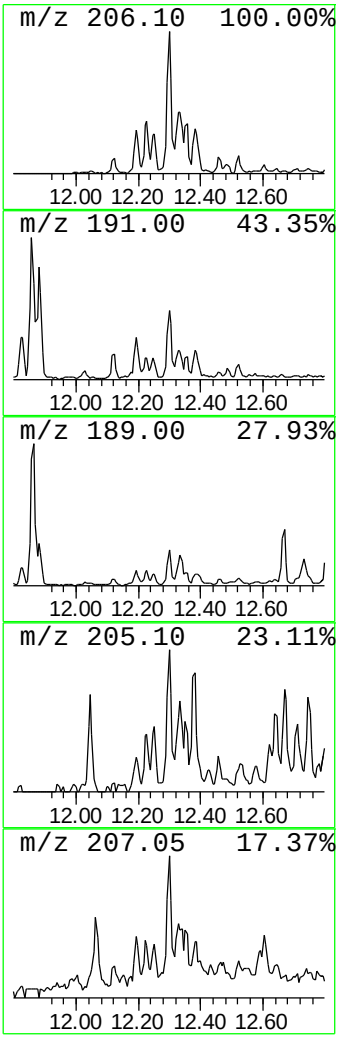
****

Peak Number 7 Phenanthrene, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	2.52 ng	153577	Phenanthrene-d10	11.25

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	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	89
5	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	89





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Instrument : BNA_F
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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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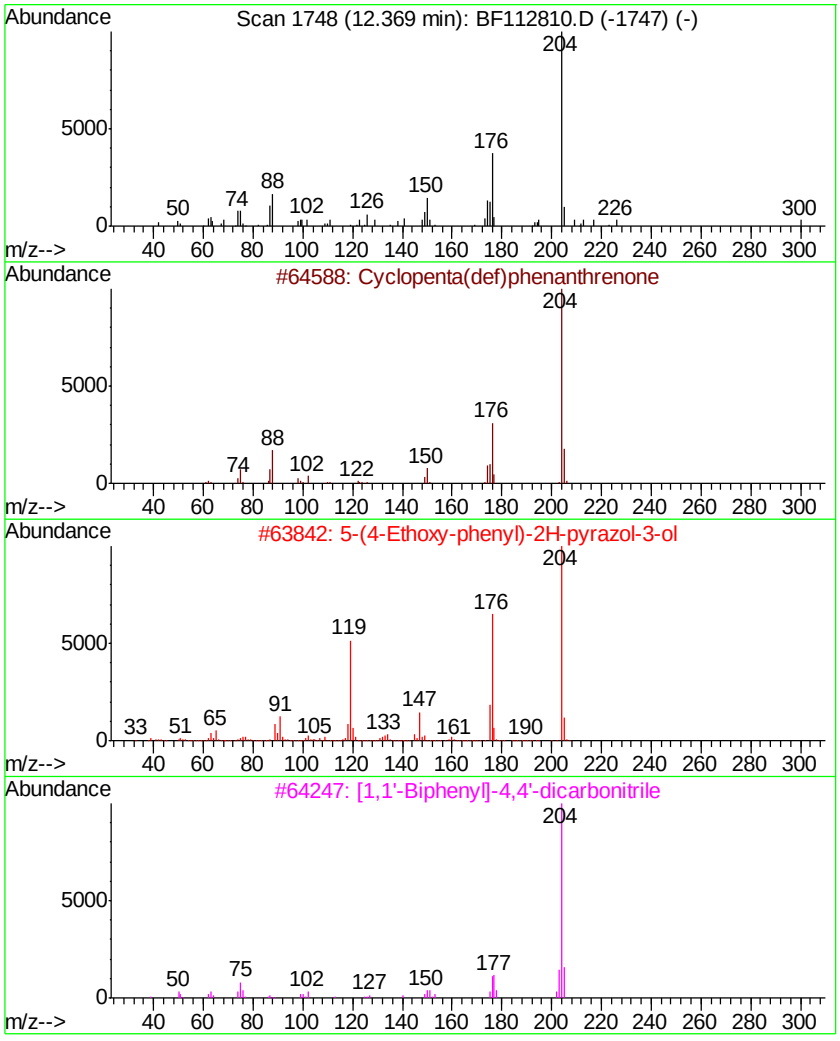
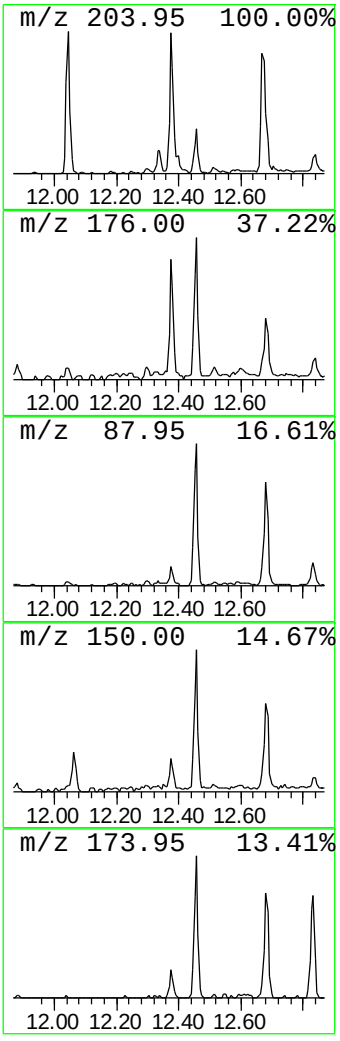
Peak Number 8 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	2.19 ng	133537	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	53
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
4	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	50
5	2,5,5,8a-Tetramethyl-6,7,8,8a-te...	204	C14H20O	124957-09-1	43





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Data File : BF112810.D
Acq On : 1 Mar 2019 19:59
Operator : JU/SJ
Sample : K1675-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : Z-3-2-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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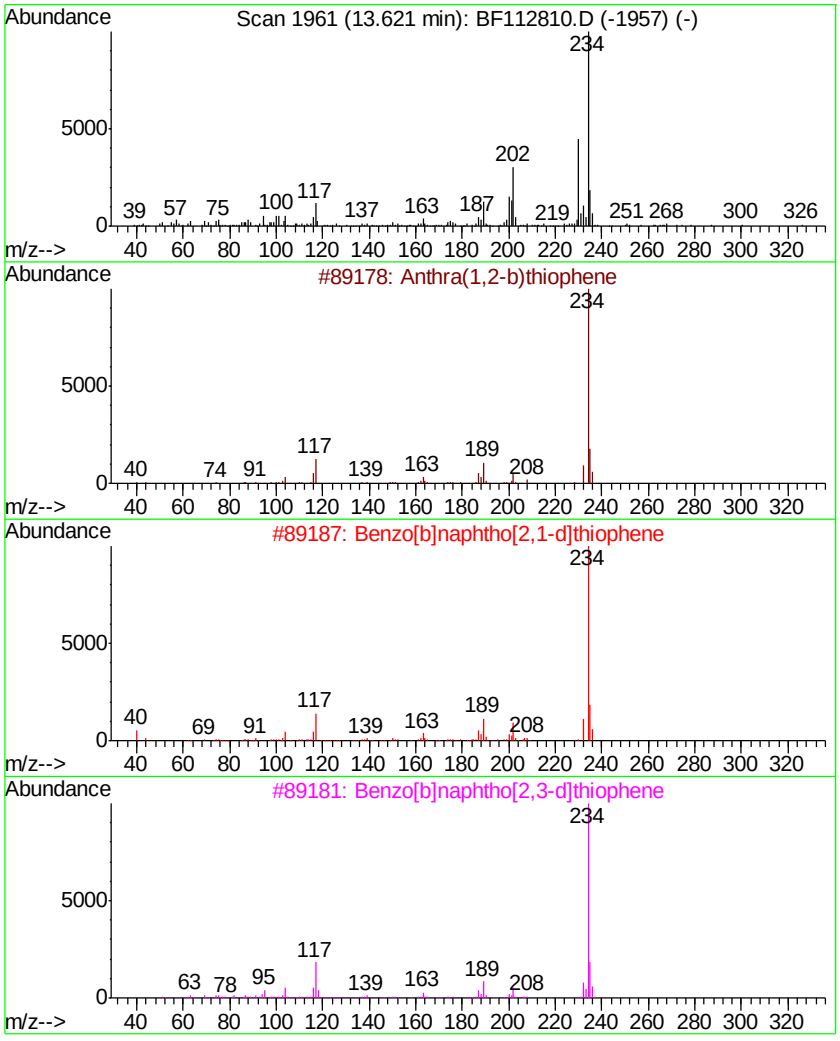
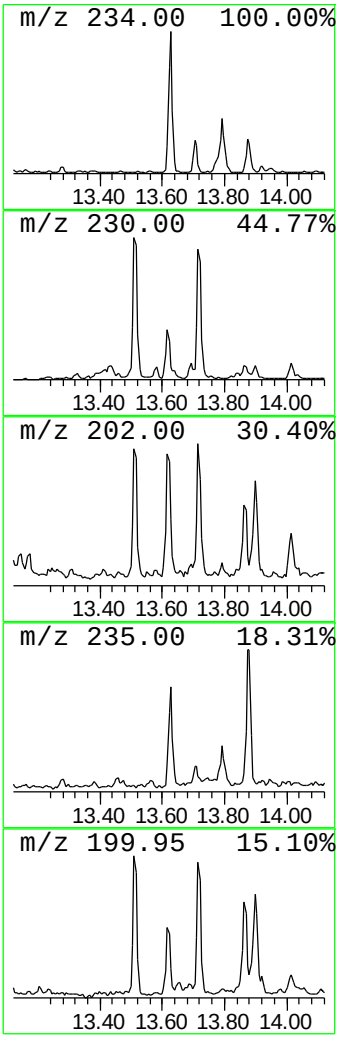
Peak Number 9 Anthra(1,2-b)thiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.62	2.29 ng	268106	Chrysene-d12	13.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	95
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	83
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	46
5	Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	38





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Operator : JU/SJ
Sample : K1675-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : Z-3-2-A

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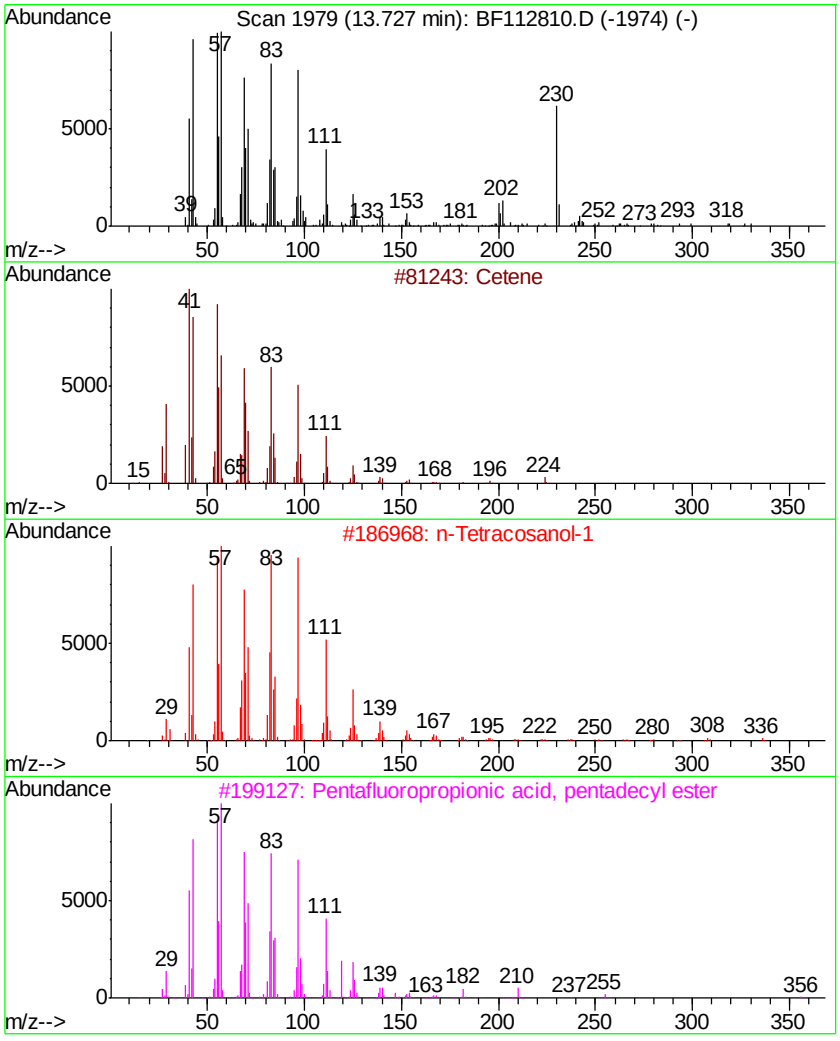
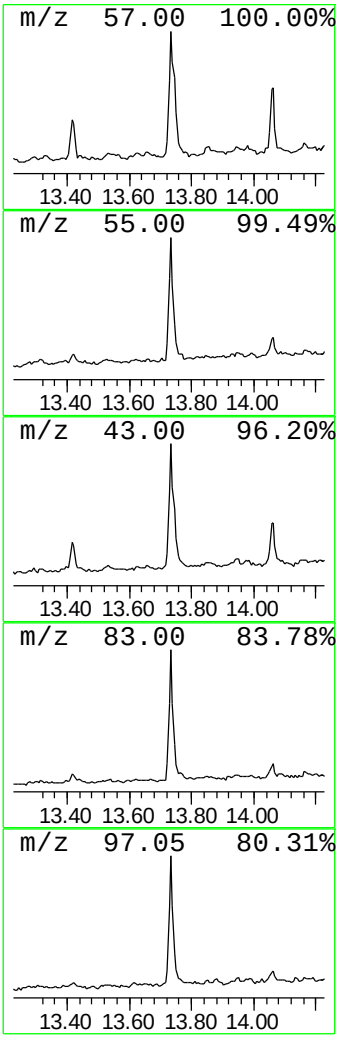
Peak Number 10 Cetene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.73	5.87 ng	686989	Chrysene-d12	13.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cetene	224	C16H32	000629-73-2	94
2	n-Tetracosanol-1	354	C24H50O	000506-51-4	94
3	Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	94
4	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	94
5	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	94





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Operator : JU/SJ
Sample : K1675-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : Z-3-2-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
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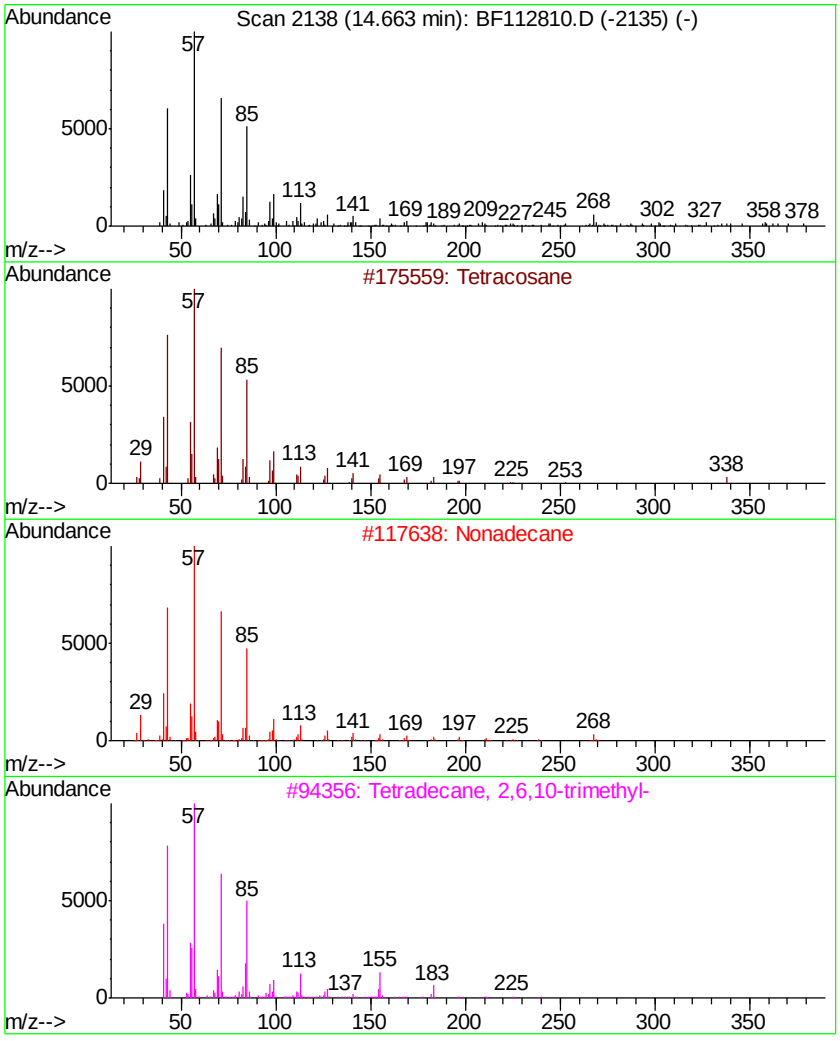
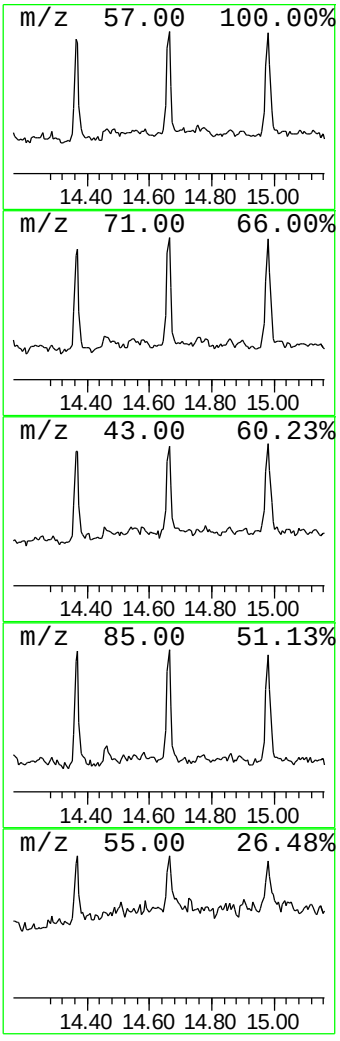
Peak Number 11 Tetracosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.66	3.81 ng	163028	Perylene-d12	15.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	93
2	Nonadecane	268	C19H40	000629-92-5	93
3	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	90
4	Eicosane	282	C20H42	000112-95-8	90
5	Hexatriacontane	507	C36H74	000630-06-8	87





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Operator : JU/SJ
Sample : K1675-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : Z-3-2-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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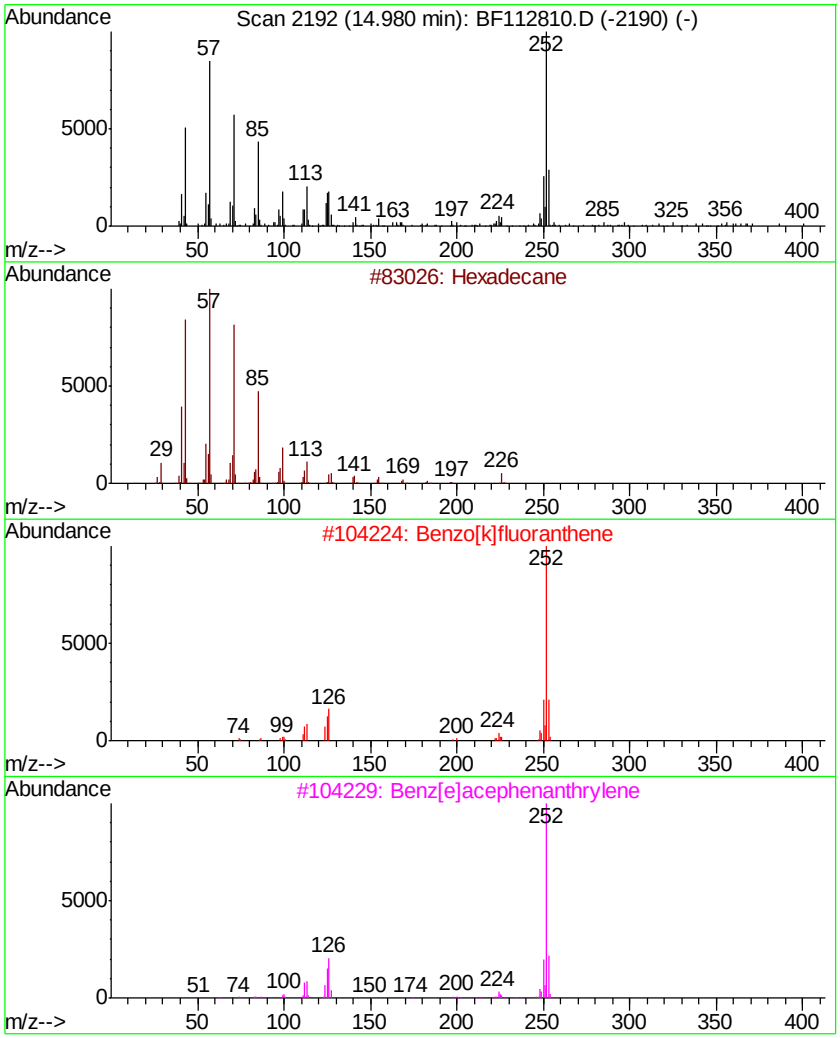
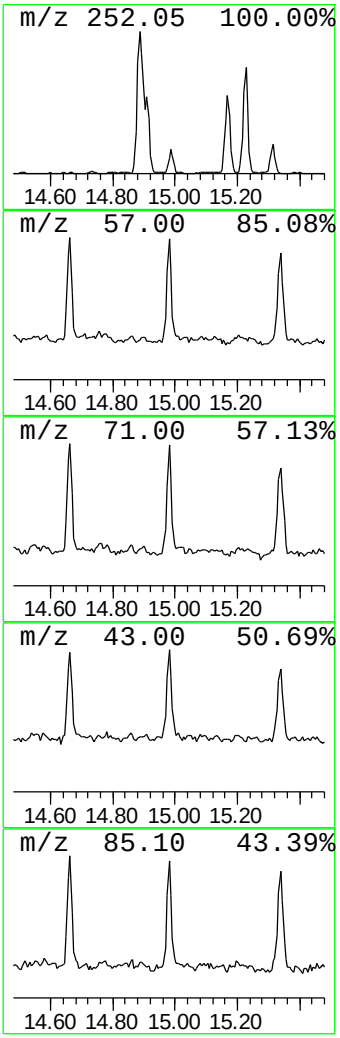
Peak Number 12 Hexadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.98	5.98 ng	256272	Perylene-d12	15.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	92
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
4	Eicosane	282	C20H42	000112-95-8	78
5	Benzo[a]pyrene	252	C20H12	000050-32-8	70





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030119\
Data File : BF112810.D
Acq On : 1 Mar 2019 19:59
Operator : JU/SJ
Sample : K1675-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : Z-3-2-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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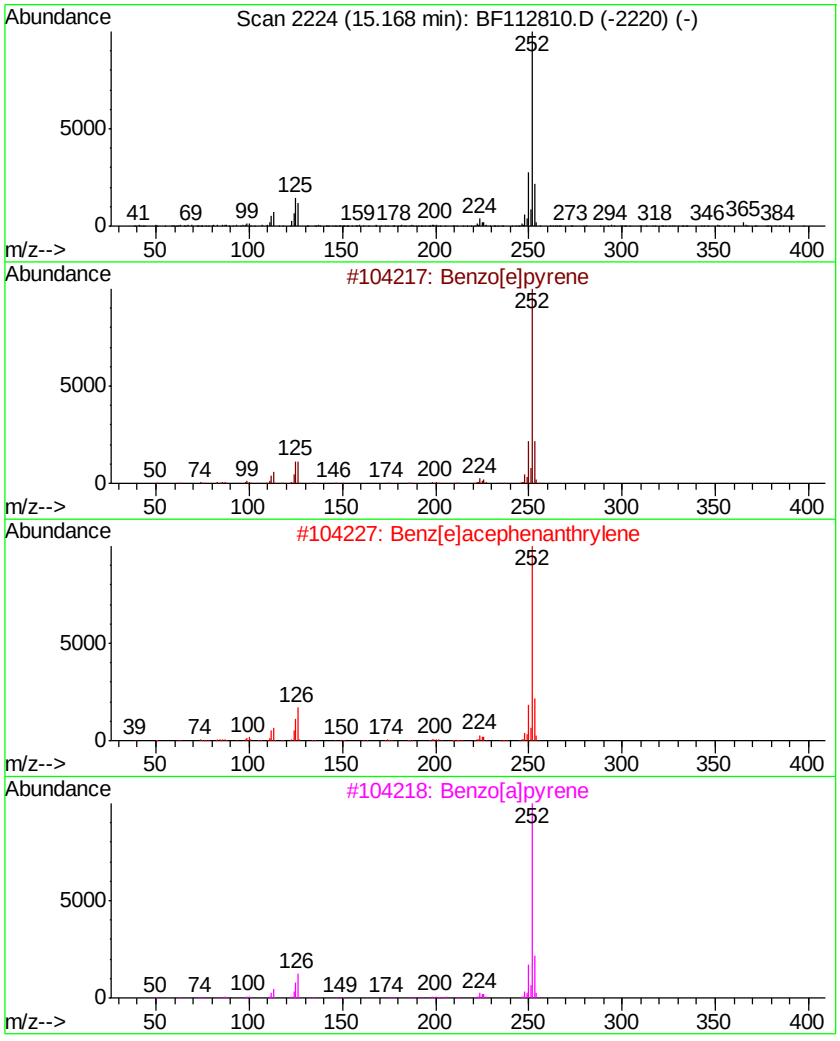
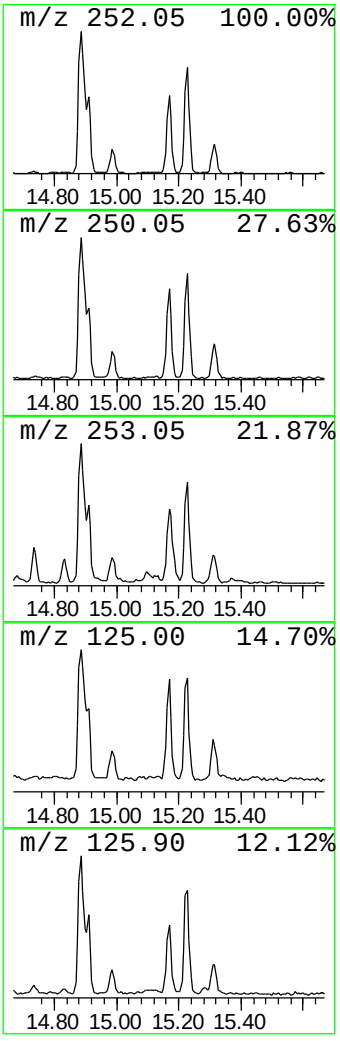
Peak Number 13 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.17	9.22 ng	394820	Perylene-d12	15.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	98
3	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
5	Perylene	252	C20H12	000198-55-0	94





Tentatively Identified Compound (LSC) summary

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Acq On : 1 Mar 2019 19:59
Operator : JU/SJ
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Misc :
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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	73.8	ng	3885000	1	6.75	1053270	20.0
Phenanthrene, 2-m...	11.75	2.5	ng	154869	4	11.25	1219070	20.0
n-Hexadecanoic acid	11.79	10.5	ng	641937	4	11.25	1219070	20.0
4H-Cyclopenta[def...	11.86	4.6	ng	278840	4	11.25	1219070	20.0
9,10-Anthracenedione	12.06	2.5	ng	154973	4	11.25	1219070	20.0
Phenanthrene, 2,5...	12.30	2.5	ng	153577	4	11.25	1219070	20.0
Cyclopenta(def)ph...	12.37	2.2	ng	133537	4	11.25	1219070	20.0
Anthra(1,2-b)thio...	13.62	2.3	ng	268106	5	13.87	2339220	20.0
Cetene	13.73	5.9	ng	686989	5	13.87	2339220	20.0
Tetracosane	14.66	3.8	ng	163028	6	15.29	856899	20.0
Hexadecane	14.98	6.0	ng	256272	6	15.29	856899	20.0
Benzo[e]pyrene	15.17	9.2	ng	394820	6	15.29	856899	20.0