LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112718\
Data File : BF111017.D
Acq On : 27 Nov 2018 18:42
Operator : JU/SJ
Sample : J6062-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-20(1-10)

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-BF112618.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.216	18	22	36	rVB	65271	103992	8.47%	0.565%
2	2.622	79	91	94	rBV4	18697	74380	6.06%	0.404%
3	5.169	521	524	541	rBV	26383	39726	3.24%	0.216%
4	5.563	588	591	610	rBV	776669	900665	73.38%	4.894%
5	6.575	759	763	783	rBV	688900	933518	76.06%	5.073%
6	6.710	783	786	797	rVB	982297	938898	76.50%	5.102%
7	6.940	822	825	832	rBV	261505	236663	19.28%	1.286%
8	7.093	847	851	868	rBV	782009	684940	55.81%	3.722%
9	7.504	918	921	943	rBV	449650	518164	42.22%	2.816%
10	8.222	1040	1043	1058	rBV	198589	258531	21.06%	1.405%
11	9.292	1221	1225	1234	rBV	856366	789797	64.35%	4.292%
12	9.692	1290	1293	1302	rVB	41458	44837	3.65%	0.244%
13	9.845	1315	1319	1323	rBV	26221	26770	2.18%	0.145%
14	9.981	1339	1342	1346	rBV	304931	269806	21.98%	1.466%
15	10.016	1346	1348	1354	rVB	66163	60130	4.90%	0.327%
16	10.192	1372	1378	1382	rBV	57582	65653	5.35%	0.357%
17	10.533	1432	1436	1441	rVB	133747	120814	9.84%	0.656%
18	10.598	1441	1447	1449	rBV2	12996	17749	1.45%	0.096%
19	10.686	1460	1462	1466	rVB	32753	28337	2.31%	0.154%
20	10.781	1473	1478	1483	rBV2	498571	561627	45.76%	3.052%
21	11.081	1521	1529	1532	rBV	36338	46545	3.79%	0.253%
22	11.163	1540	1543	1546	rVB3	17819	14504	1.18%	0.079%
23	11.204	1546	1550	1552	rBV3	17422	16142	1.32%	0.088%
24	11.322	1568	1570	1577	rVB2	20016	23772	1.94%	0.129%
25	11.375	1577	1579	1584	rVB	62501	54560	4.45%	0.296%
26	11.480	1593	1597	1598	rBV	325231	292901	23.86%	1.592%
27	11.504	1598	1601	1606	rVV	1128518	931116	75.86%	5.060%
28	11.557	1606	1610	1617	rVV	317979	301408	24.56%	1.638%
29	11.716	1634	1637	1644	rBV	75502	88924	7.25%	0.483%
30	11.816	1651	1654	1659	rVB3	11080	19936	1.62%	0.108%
31	11.898	1664	1668	1672	rVB3	10910	15982	1.30%	0.087%
32	11.980	1678	1682	1685	rBV	173393	170602	13.90%	0.927%
33	12.010	1685	1687	1693	rVB	181398	155999	12.71%	0.848%
34	12.057	1693	1695	1698	rBV	61189	58504	4.77%	0.318%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112718\
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Acq On : 27 Nov 2018 18:42
Operator : JU/SJ
Sample : J6062-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-20(1-10)

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-BF112618.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.098	1698	1702	1704	rVV	251322	268257	21.86%	1.458%
36	12.116	1704	1705	1709	rVB	83253	59037	4.81%	0.321%
37	12.275	1729	1732	1737	rVB	86825	74687	6.09%	0.406%
38	12.322	1737	1740	1743	rBV2	31077	30023	2.45%	0.163%
39	12.422	1753	1757	1760	rBV2	29111	27774	2.26%	0.151%
40	12.457	1760	1763	1765	rVV	31261	25010	2.04%	0.136%
41	12.480	1765	1767	1771	rVB	23367	22112	1.80%	0.120%
42	12.527	1771	1775	1778	rBV	78205	80258	6.54%	0.436%
43	12.575	1778	1783	1785	rVV4	43035	65404	5.33%	0.355%
44	12.616	1788	1790	1791	rBV	22633	19075	1.55%	0.104%
45	12.633	1791	1793	1800	rVB	45987	49089	4.00%	0.267%
46	12.704	1800	1805	1808	rBV	1378099	1227379	100.00%	6.670%
47	12.733	1808	1810	1812	rVV	22755	16366	1.33%	0.089%
48	12.763	1812	1815	1819	rVB4	29703	37532	3.06%	0.204%
49	12.798	1819	1821	1826	rVB3	13285	18991	1.55%	0.103%
50	12.851	1826	1830	1833	rBV2	58214	72497	5.91%	0.394%
51	12.910	1837	1840	1842	rBV2	218101	254097	20.70%	1.381%
52	12.933	1842	1844	1849	rVB	1068013	882833	71.93%	4.797%
53	12.980	1849	1852	1855	rVB	63429	59813	4.87%	0.325%
54	13.033	1855	1861	1862	rBV5	11082	16726	1.36%	0.091%
55	13.057	1862	1865	1869	rVV	1038104	925855	75.43%	5.031%
56	13.104	1871	1873	1876	rVB	28457	24407	1.99%	0.133%
57	13.145	1876	1880	1885	rVB3	82066	123503	10.06%	0.671%
58	13.192	1885	1888	1891	rBV	30466	31652	2.58%	0.172%
59	13.263	1896	1900	1904	rVB2	228937	242843	19.79%	1.320%
60	13.304	1904	1907	1908	rBV3	13928	14460	1.18%	0.079%
61	13.327	1908	1911	1913	rBV2	152432	130029	10.59%	0.707%
62	13.363	1913	1917	1924	rVB2	93761	140620	11.46%	0.764%
63	13.416	1924	1926	1930	rVB2	20598	19453	1.58%	0.106%
64	13.463	1930	1934	1936	rBV	53463	55746	4.54%	0.303%
65	13.492	1936	1939	1942	rBV2	59765	60107	4.90%	0.327%
66	13.557	1947	1950	1952	rBV2	19032	24460	1.99%	0.133%
67	13.604	1955	1958	1960	rBV	91363	79602	6.49%	0.433%
68	13.627	1960	1962	1965	rBV4	12103	13774	1.12%	0.075%
69	13.663	1965	1968	1970	rBV3	25040	26823	2.19%	0.146%
70	13.686	1970	1972	1978	rVB3	20972	27399	2.23%	0.149%
71	13.739	1979	1981	1984	rVV2	19448	19197	1.56%	0.104%

LSC Area Percent Report

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Operator : JU/SJ
Sample : J6062-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-20(1-10)

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-BF112618.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.780	1985	1988	1995	rVB	59341	80294	6.54%	0.436%
73	13.833	1995	1997	2000	rVB3	18109	18494	1.51%	0.100%
74	13.886	2000	2006	2008	rBV2	110753	128839	10.50%	0.700%
75	13.910	2008	2010	2011	rVV	98524	84509	6.89%	0.459%
76	13.933	2011	2014	2021	rVV4	202825	285530	23.26%	1.552%
77	13.992	2021	2024	2030	rVB	77465	81256	6.62%	0.442%
78	14.127	2041	2047	2051	rBV2	573775	867779	70.70%	4.715%
79	14.163	2051	2053	2059	rVB	408280	357146	29.10%	1.941%
80	14.245	2064	2067	2070	rBV	252821	218667	17.82%	1.188%
81	14.298	2073	2076	2081	rVV2	63513	72909	5.94%	0.396%
82	14.521	2110	2114	2117	rBV2	76990	98234	8.00%	0.534%
83	14.551	2117	2119	2123	rVB2	203255	190248	15.50%	1.034%
84	14.657	2134	2137	2139	rBV2	35721	44077	3.59%	0.240%
85	14.868	2169	2173	2179	rBV	172461	185710	15.13%	1.009%
86	15.216	2228	2232	2236	rBV	311917	472166	38.47%	2.566%
87	15.339	2250	2253	2259	rVB	40001	58924	4.80%	0.320%
88	15.545	2284	2288	2294	rBV	111865	151143	12.31%	0.821%
89	15.610	2295	2299	2306	rVB	224718	310878	25.33%	1.689%
90	15.674	2306	2310	2314	rBV2	121401	158004	12.87%	0.859%
91	16.063	2372	2376	2382	rVB	66060	100027	8.15%	0.544%
92	16.592	2462	2466	2470	rBV2	33063	46049	3.75%	0.250%
93	17.274	2576	2582	2591	rVB2	68396	147571	12.02%	0.802%
94	17.768	2660	2666	2676	rVB	45522	111526	9.09%	0.606%

Sum of corrected areas: 18402762

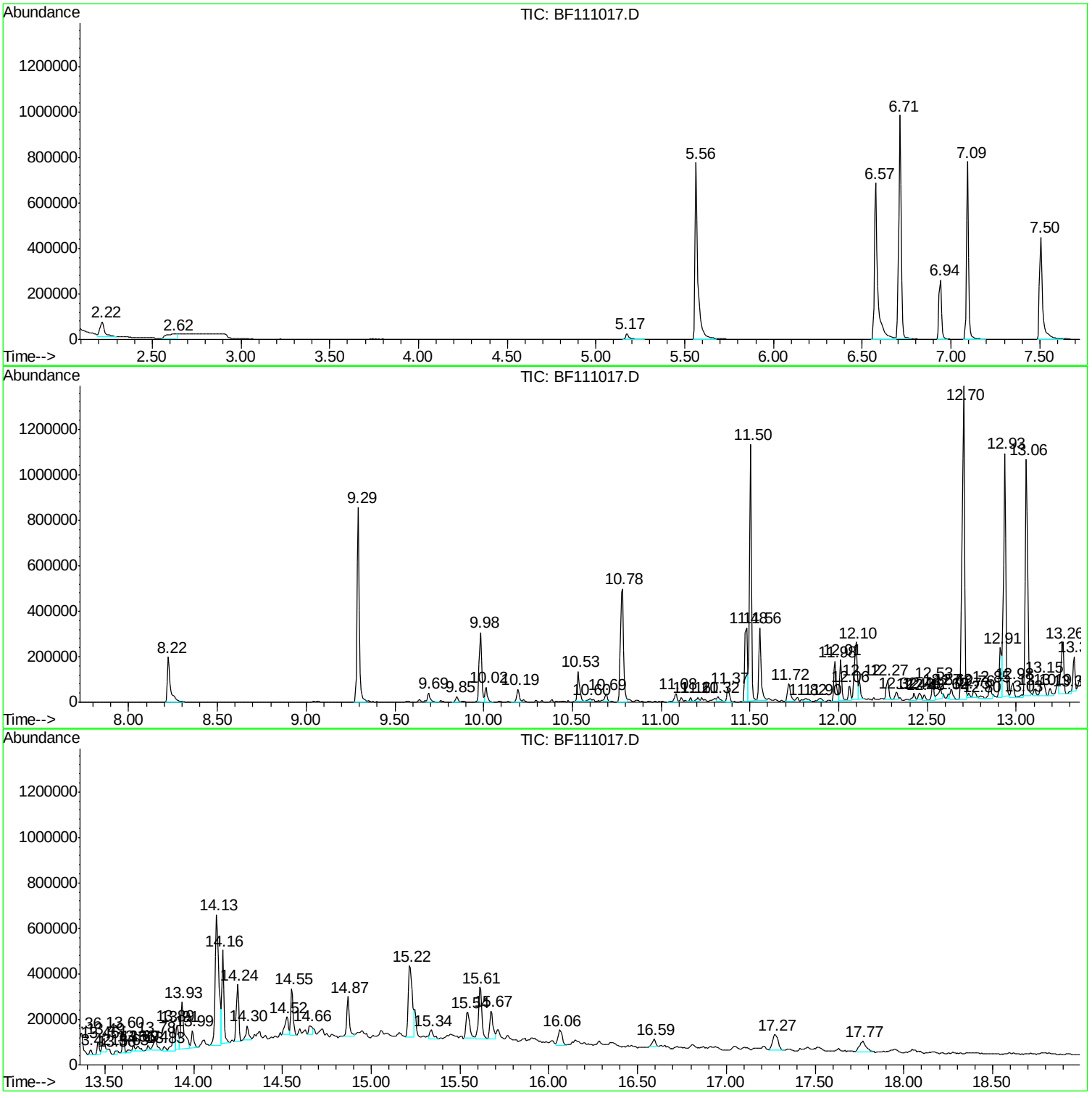
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112718\
Data File : BF111017.D
Acq On : 27 Nov 2018 18:42
Operator : JU/SJ
Sample : J6062-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-20(1-10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF112618.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\BF112718\
Data File : BF111017.D
Acq On : 27 Nov 2018 18:42
Operator : JU/SJ
Sample : J6062-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-20(1-10)

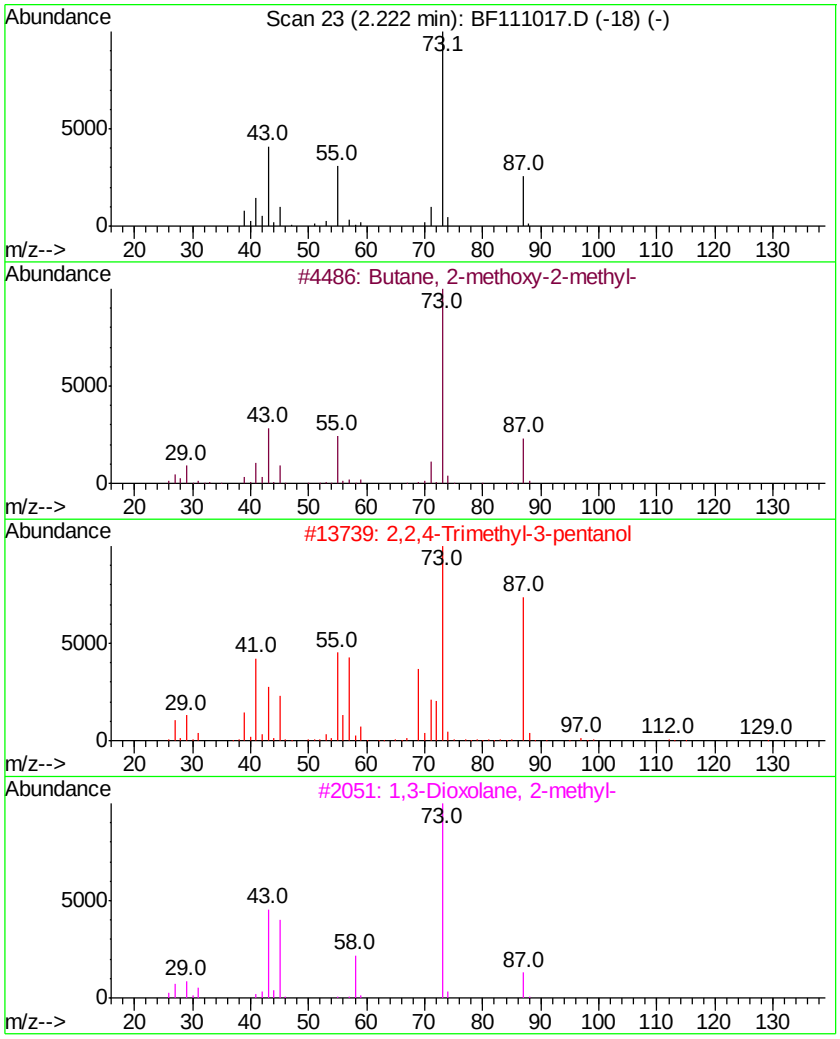
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF112618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

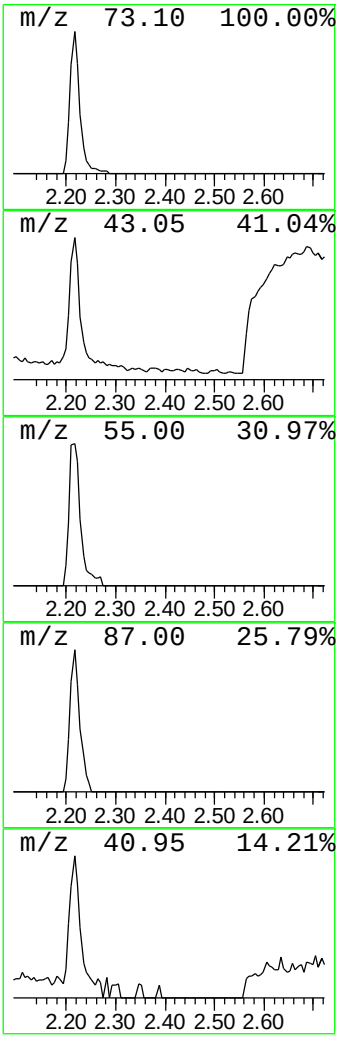
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.22	8.79 ng	103992	1,4-Dichlorobenzene-d4	6.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	32
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	23
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	10





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112718\
Data File : BF111017.D
Acq On : 27 Nov 2018 18:42
Operator : JU/SJ
Sample : J6062-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-20(1-10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF112618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

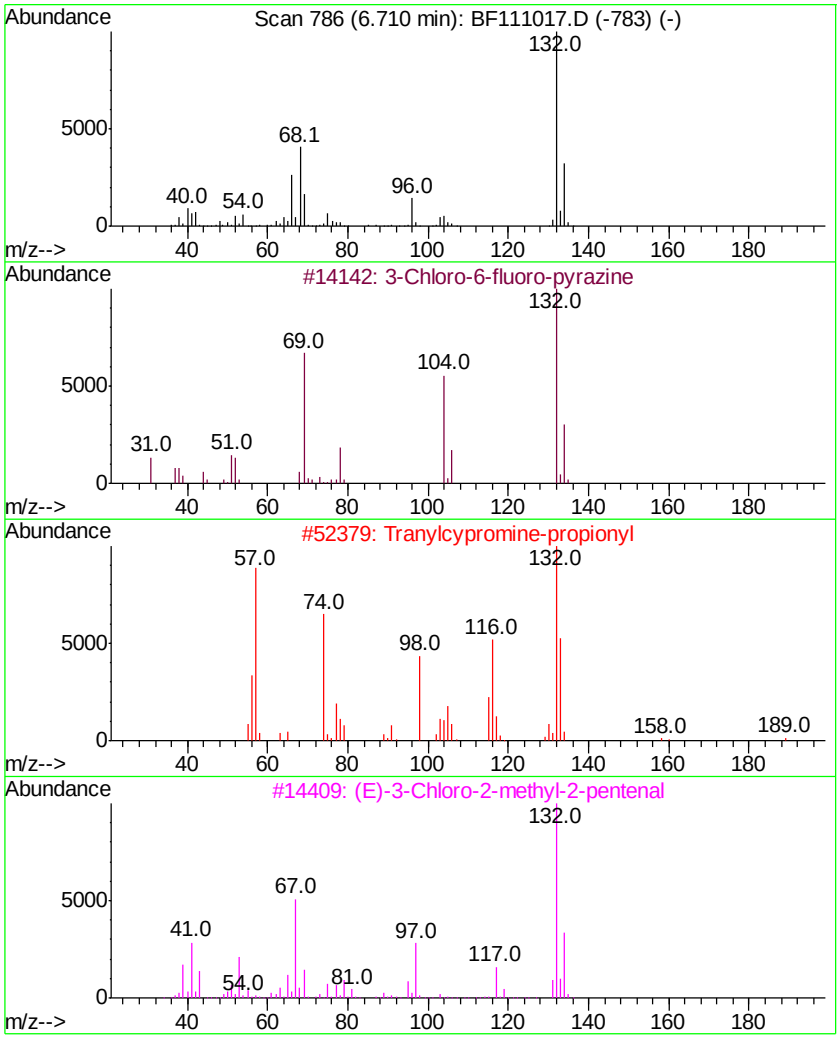
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

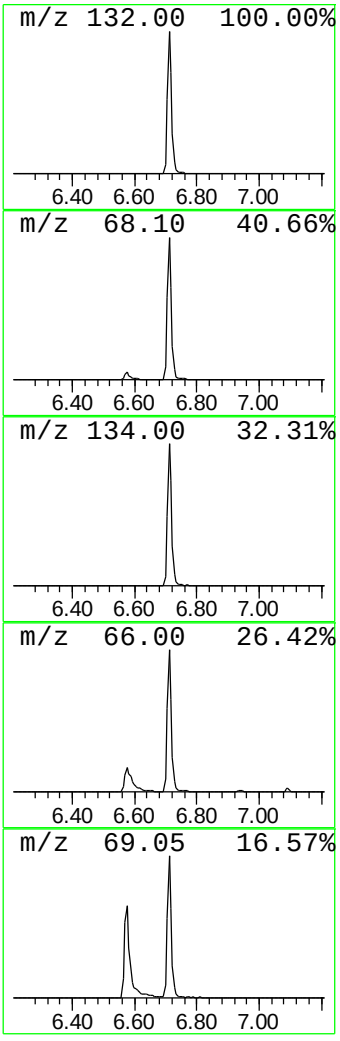
****

Peak Number 3 unknown6.71 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.71	79.34 ng	938898	1,4-Dichlorobenzene-d4	6.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF112618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

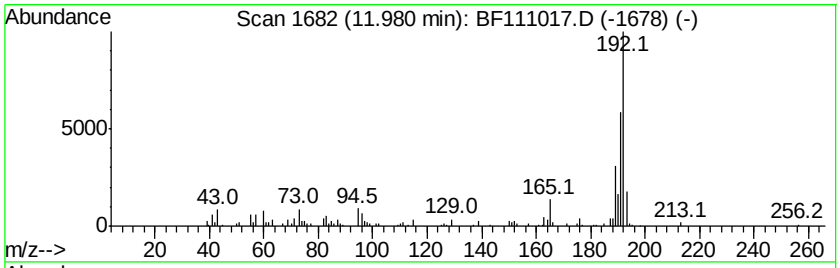
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

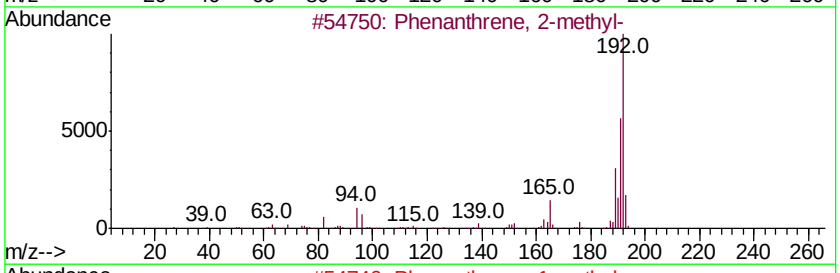
****

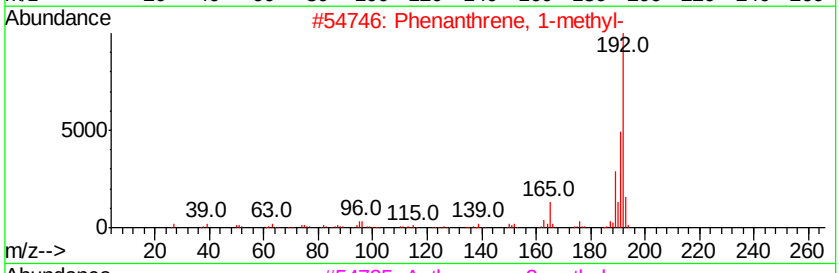
Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 6

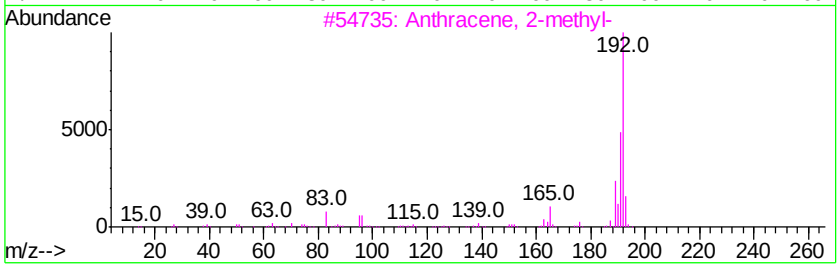
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	11.65 ng	170602	Phenanthrene-d10	11.48

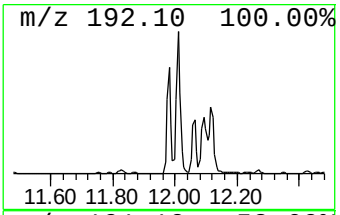
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95

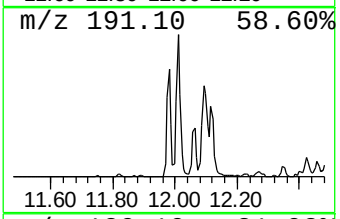


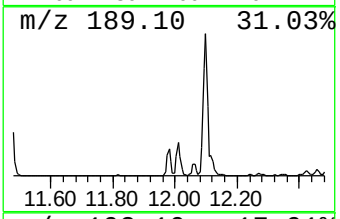


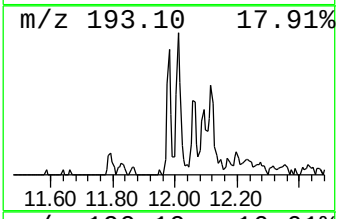


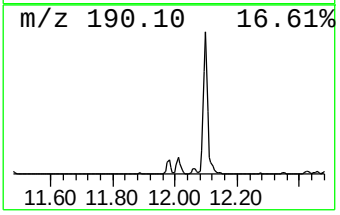












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Operator : JU/SJ
Sample : J6062-02
Misc :
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Instrument : BNA_F
ClientSampleId : B-20(1-10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF112618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

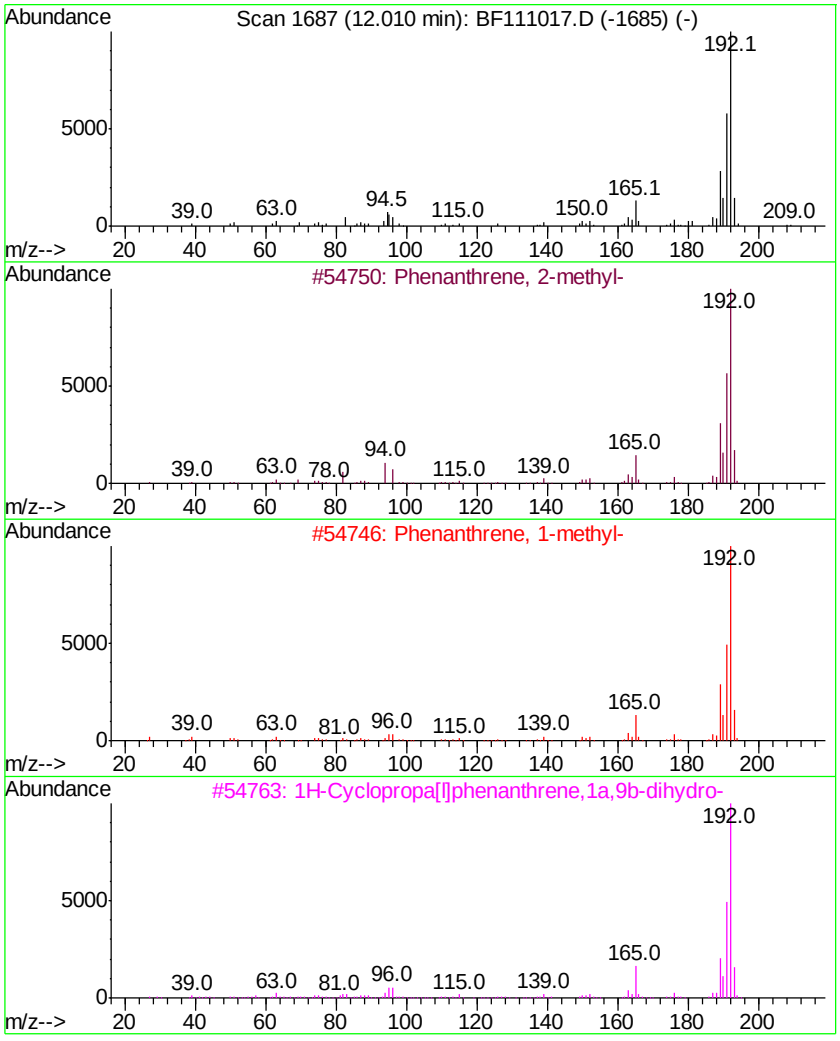
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

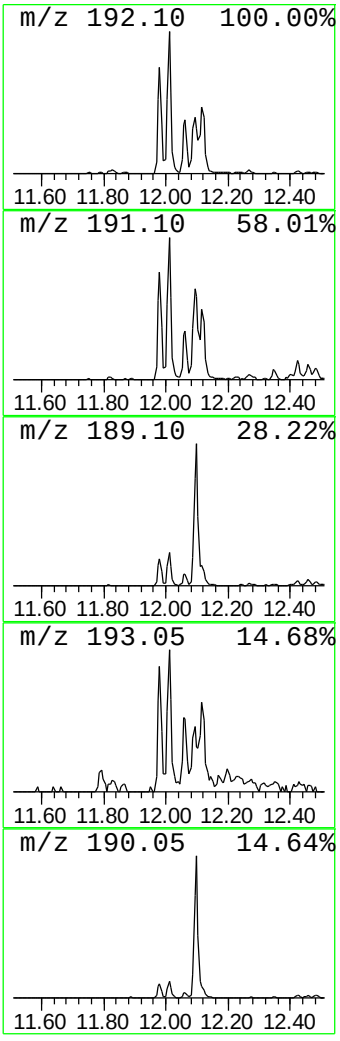
****

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	10.65 ng	155999	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





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Sample : J6062-02
Misc :
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ClientSampleId : B-20(1-10)

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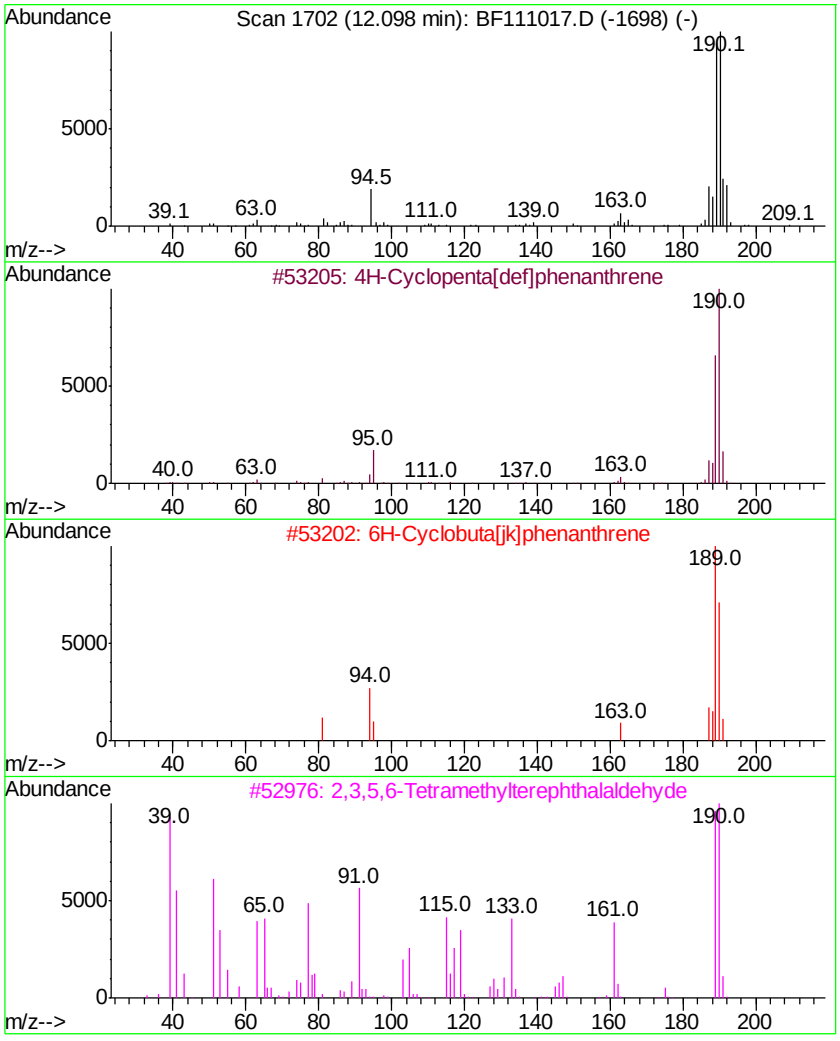
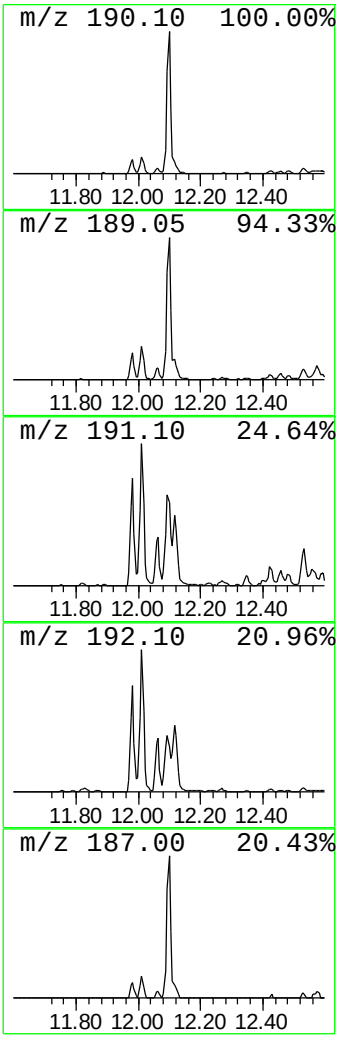
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	18.32 ng	268257	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
5	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	40





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Instrument : BNA_F
ClientSampleId : B-20(1-10)

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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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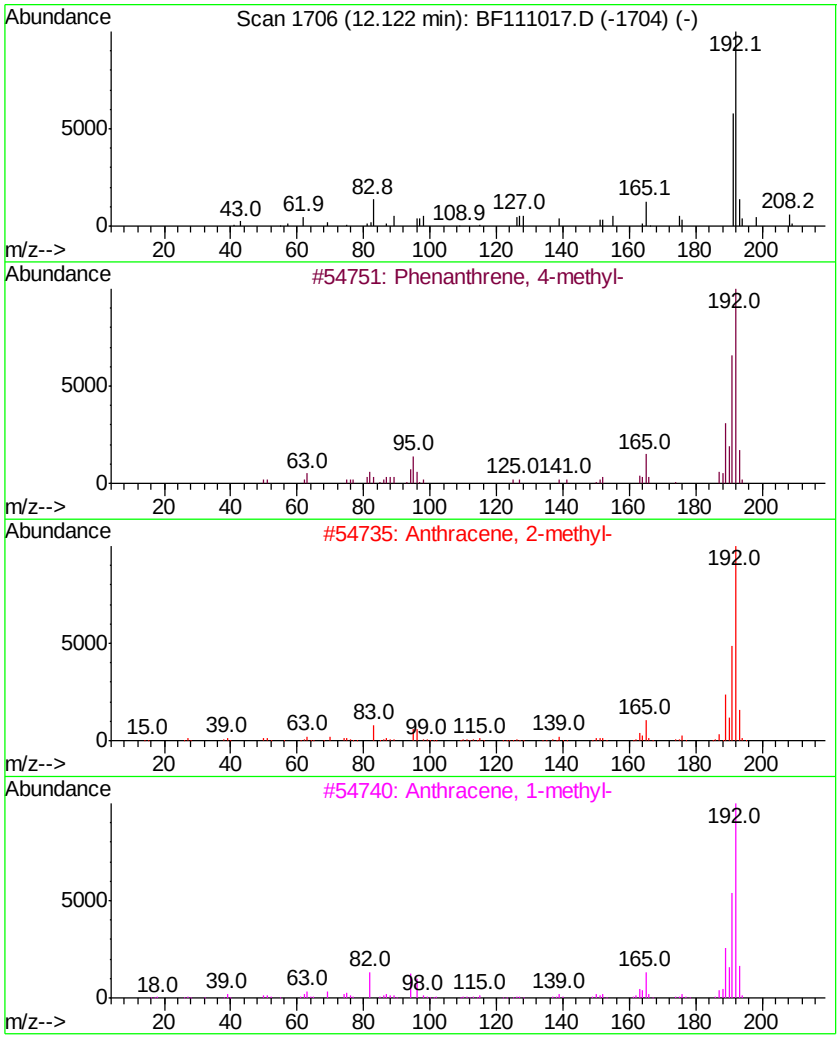
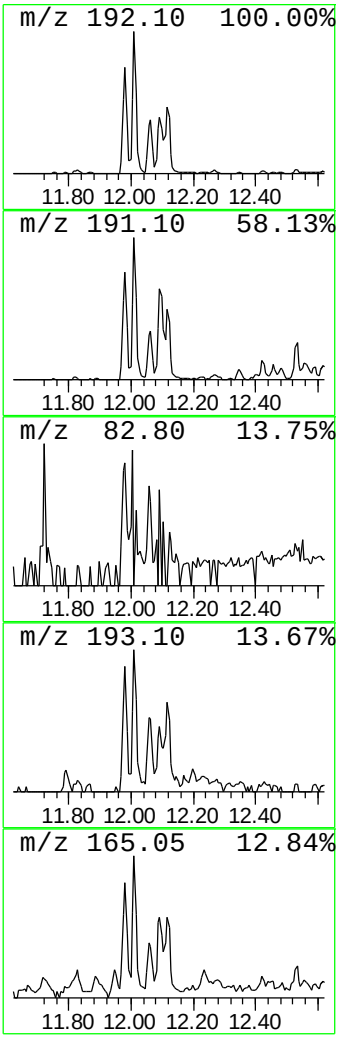
Peak Number 8 Phenanthrene, 4-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	4.03 ng	59037	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	91





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

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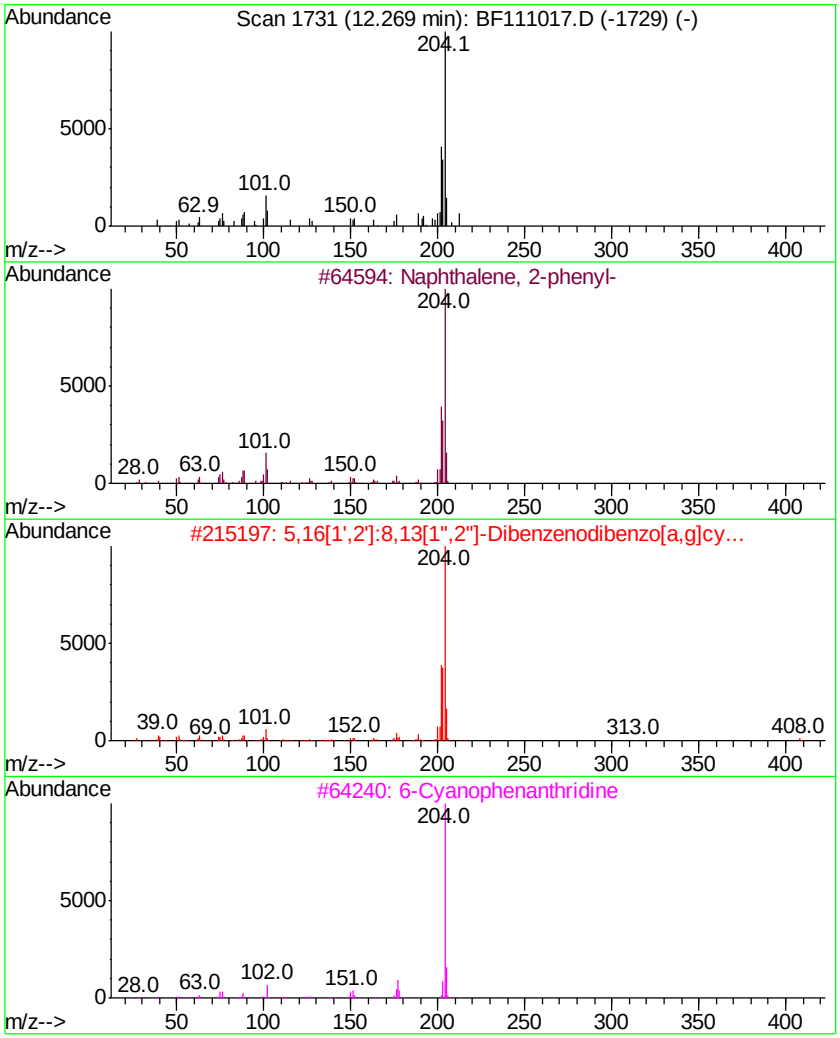
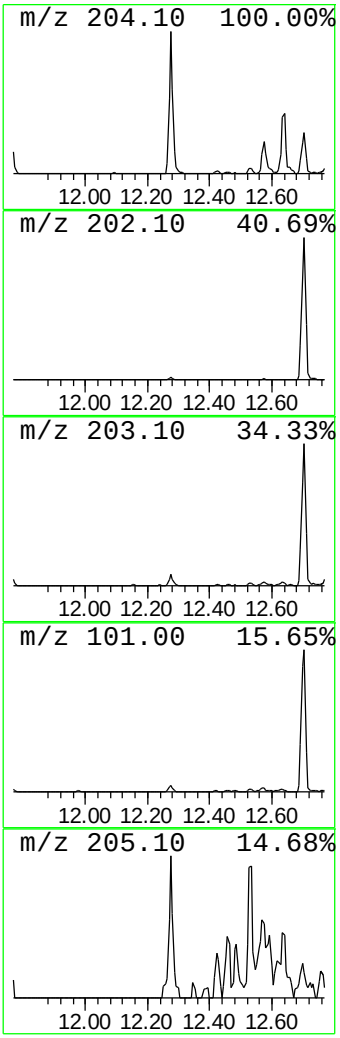
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	5.10 ng	74687	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	55
4	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	55
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	52





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ClientSampleId : B-20(1-10)

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

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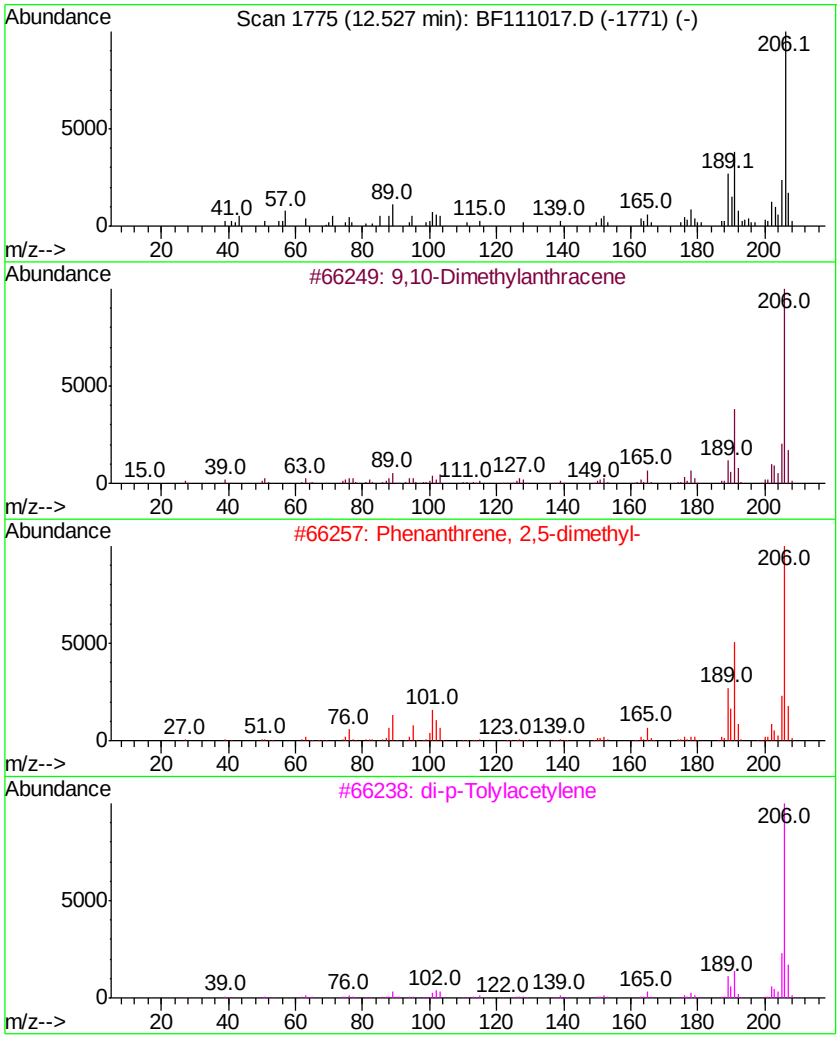
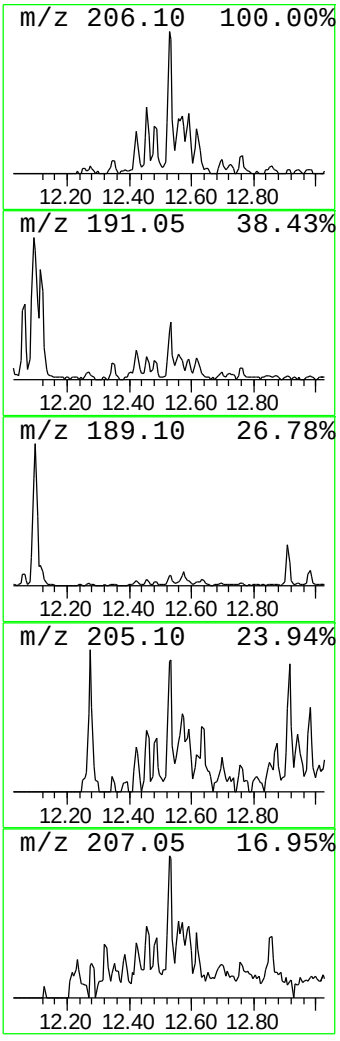
Peak Number 10 9,10-Dimethylanthracene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	5.48 ng	80258	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93





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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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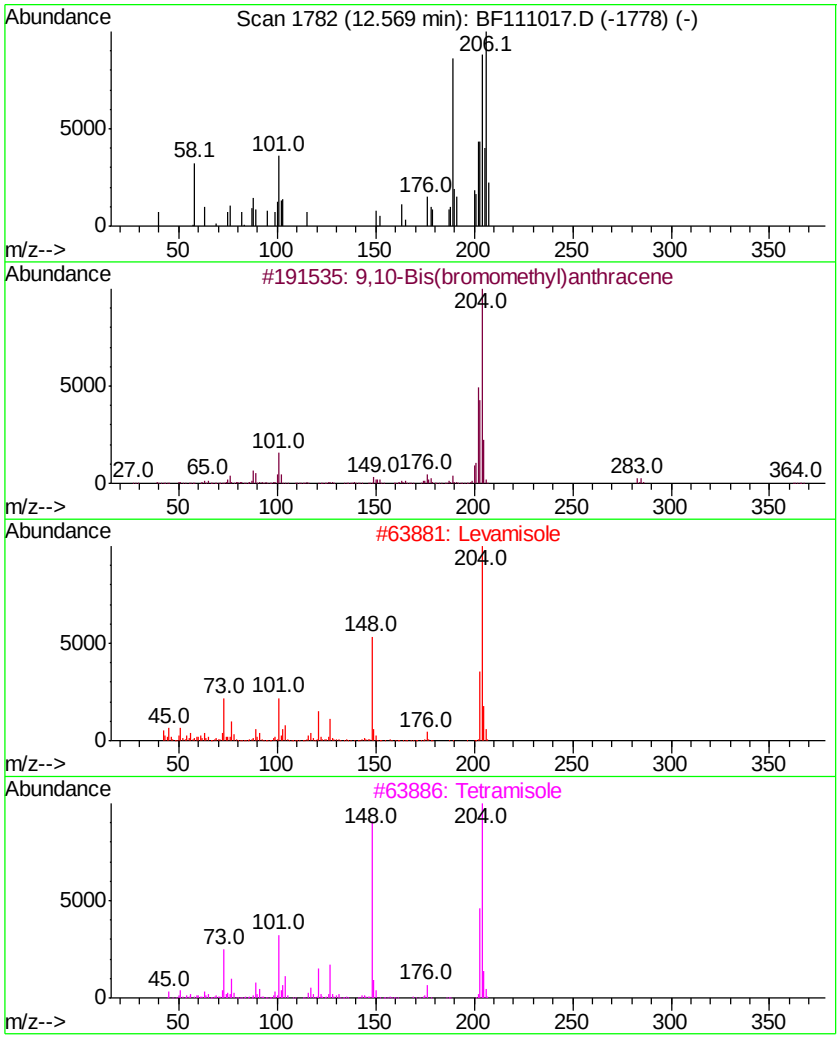
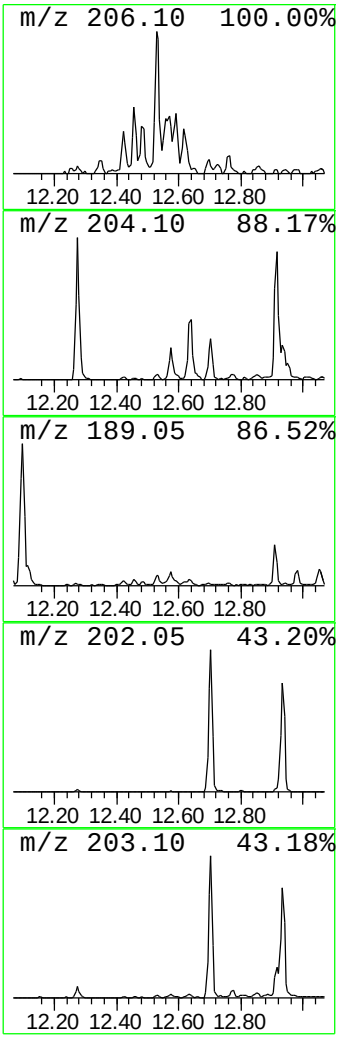
Peak Number 11 9,10-Bis(bromomethyl)anthra... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.57	4.47 ng	65404	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	47
2	Levamisole	204	C11H12N2S	014769-73-4	38
3	Tetramisole	204	C11H12N2S	005036-02-2	38
4	Coumarin, 3,4-dihydro-4,4,6,8-te...	204	C13H16O2	249629-60-5	38
5	5-Amino-7,8-dimethoxyisoquinoline	204	C11H12N2O2	1000213-88-5	35





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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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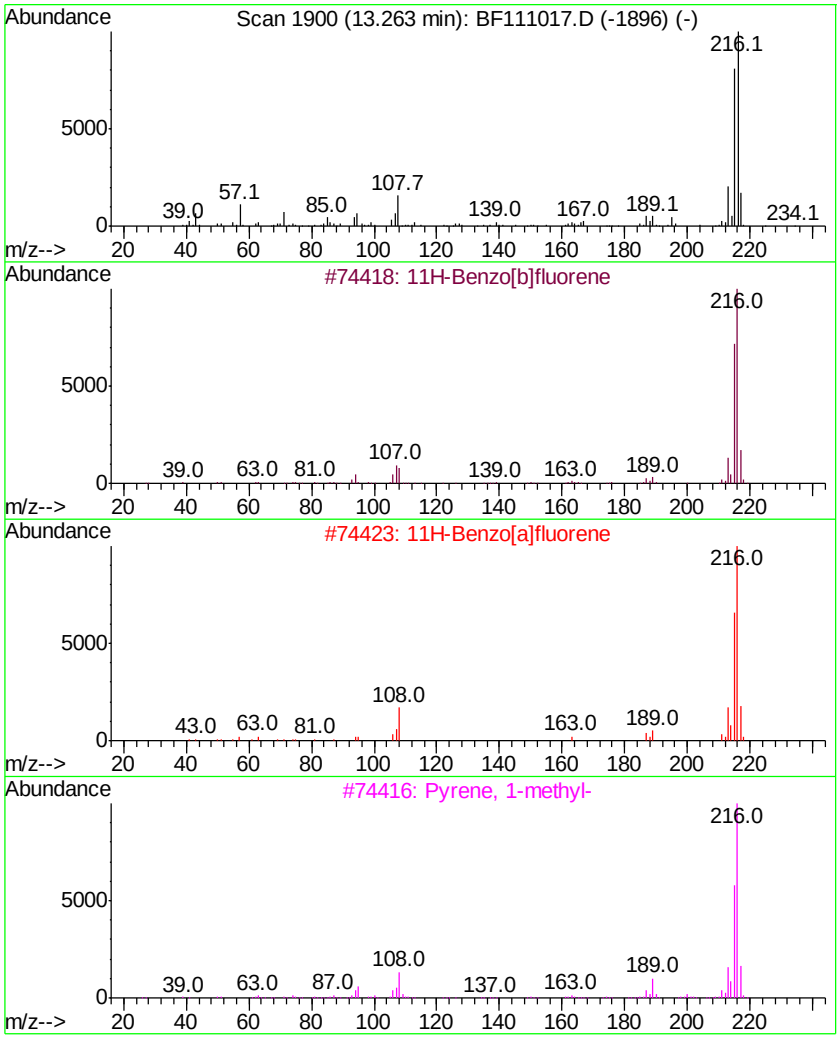
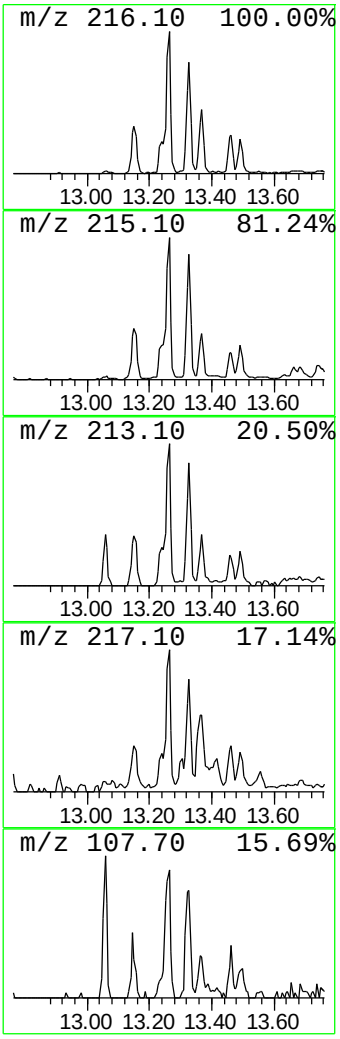
Peak Number 12 11H-Benzo[b]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	5.60 ng	242843	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	1,3,5-Triazine-2,4,6-triamine, N...	216	C10H12N6	046731-79-7	64
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	60





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ClientSampleId : B-20(1-10)

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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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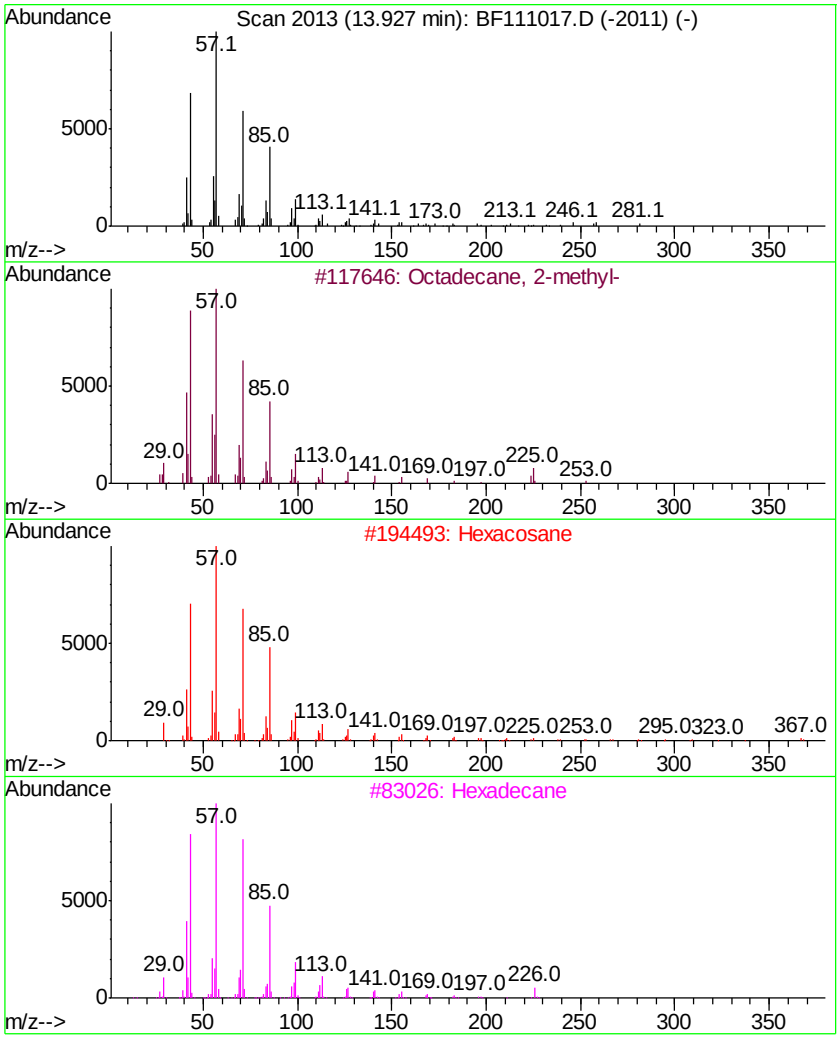
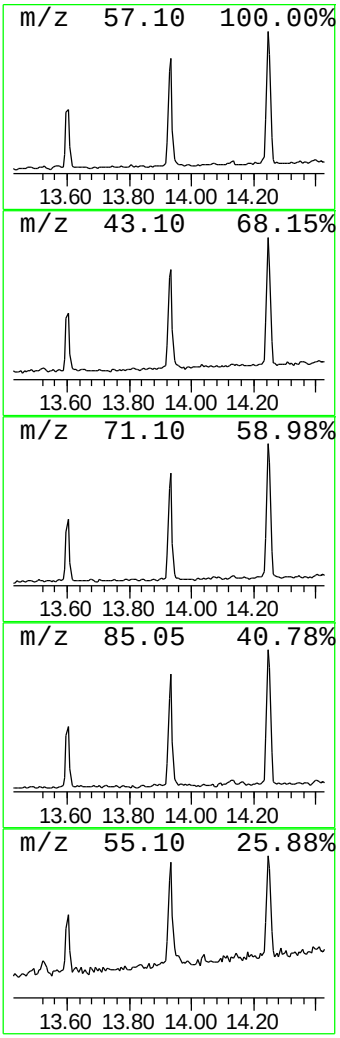
Peak Number 13 Octadecane, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.93	6.58 ng	285530	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane, 2-methyl-	268	C19H40	001560-88-9	83
2	Hexacosane	366	C26H54	000630-01-3	81
3	Hexadecane	226	C16H34	000544-76-3	74
4	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	74
5	Hexatriacontane	507	C36H74	000630-06-8	74





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Misc :
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Instrument : BNA_F
ClientSampleId : B-20(1-10)

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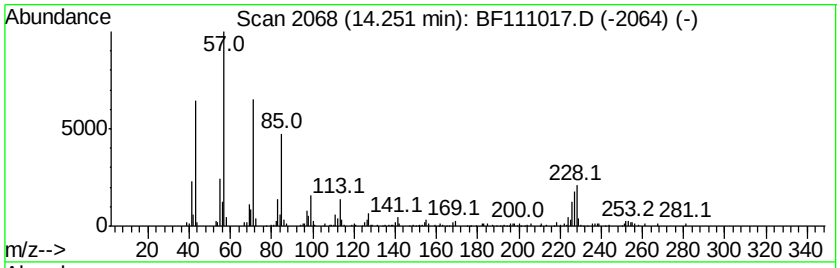
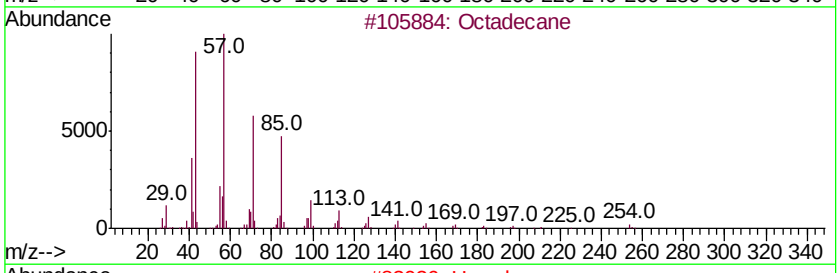
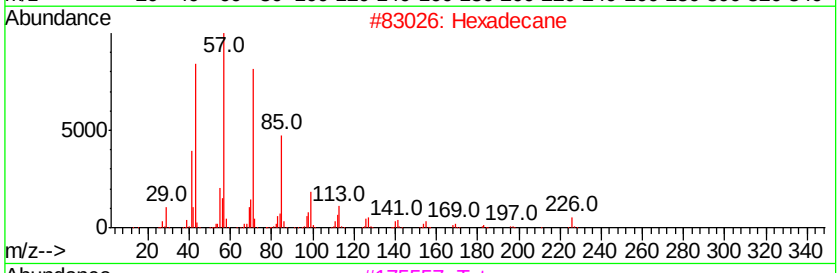
Peak Number 14 Octadecane Concentration Rank 16

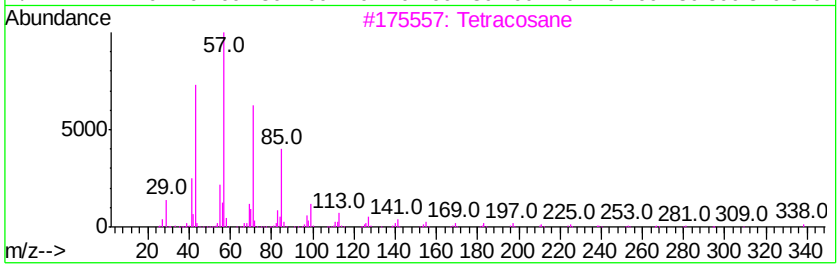
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.25	5.04 ng	218667	Chrysene-d12	14.14

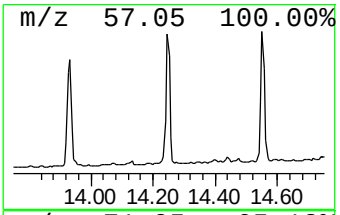
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	70
2	Hexadecane	226	C16H34	000544-76-3	52
3	Tetracosane	338	C24H50	000646-31-1	49
4	Octacosane	394	C28H58	000630-02-4	49
5	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	49

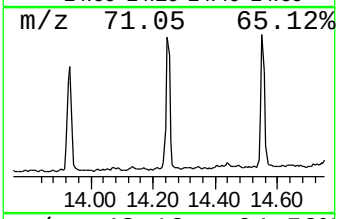


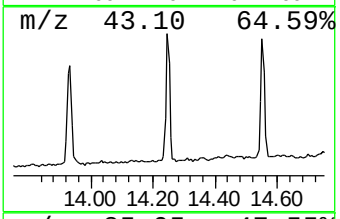


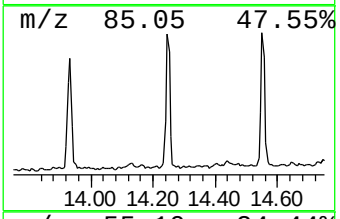


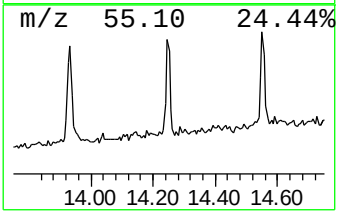












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Instrument : BNA_F
ClientSampleId : B-20(1-10)

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TIC Integration Parameters: LSCINT.P

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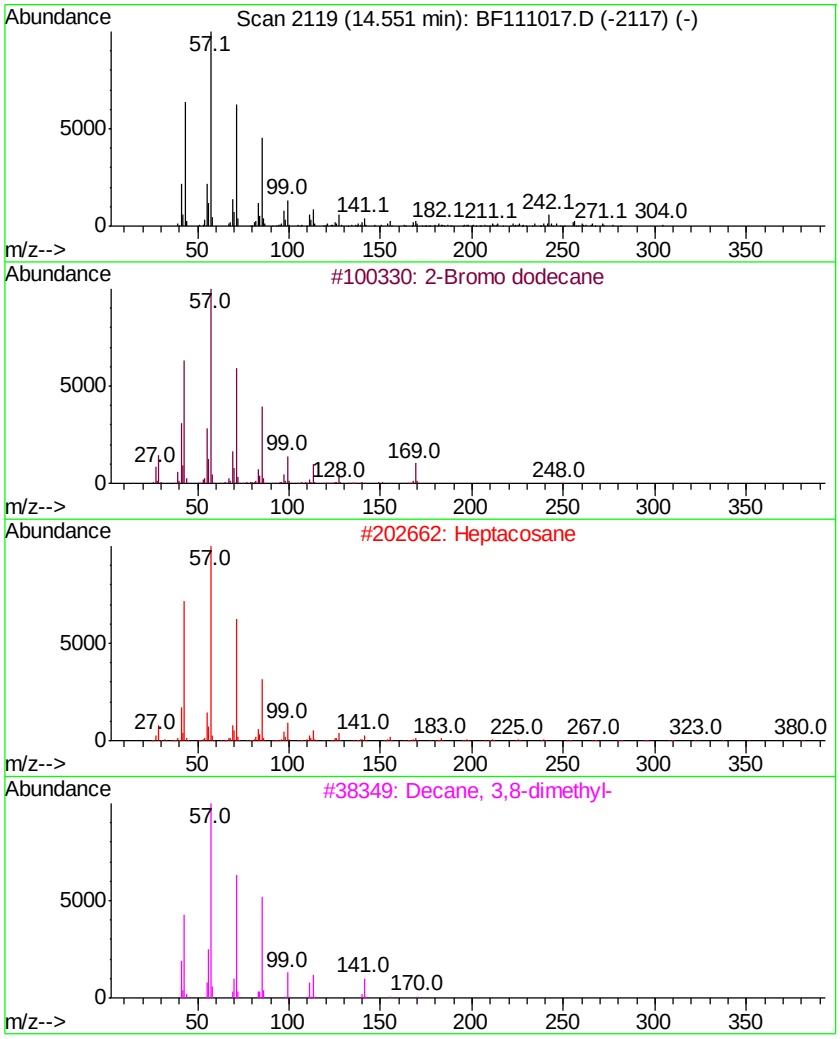
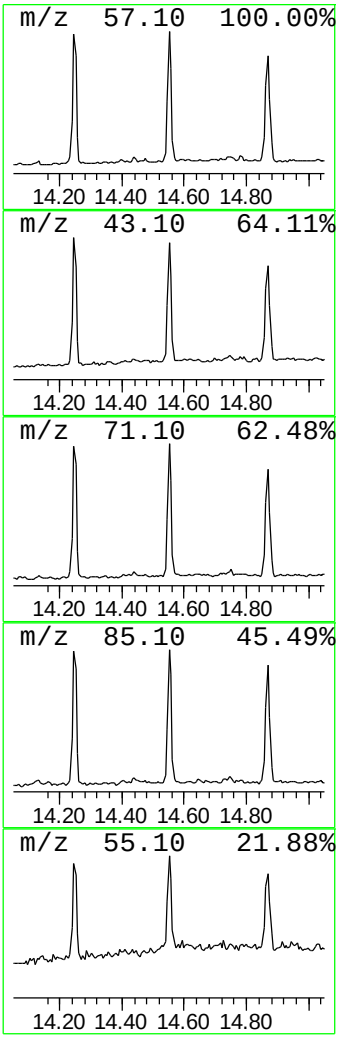
Peak Number 15 2-Bromo dodecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.55	4.38 ng	190248	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Bromo dodecane	248	C12H25Br	013187-99-0	91
2	Heptacosane	380	C27H56	000593-49-7	87
3	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	87
4	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	83
5	Hexacosane	366	C26H54	000630-01-3	83





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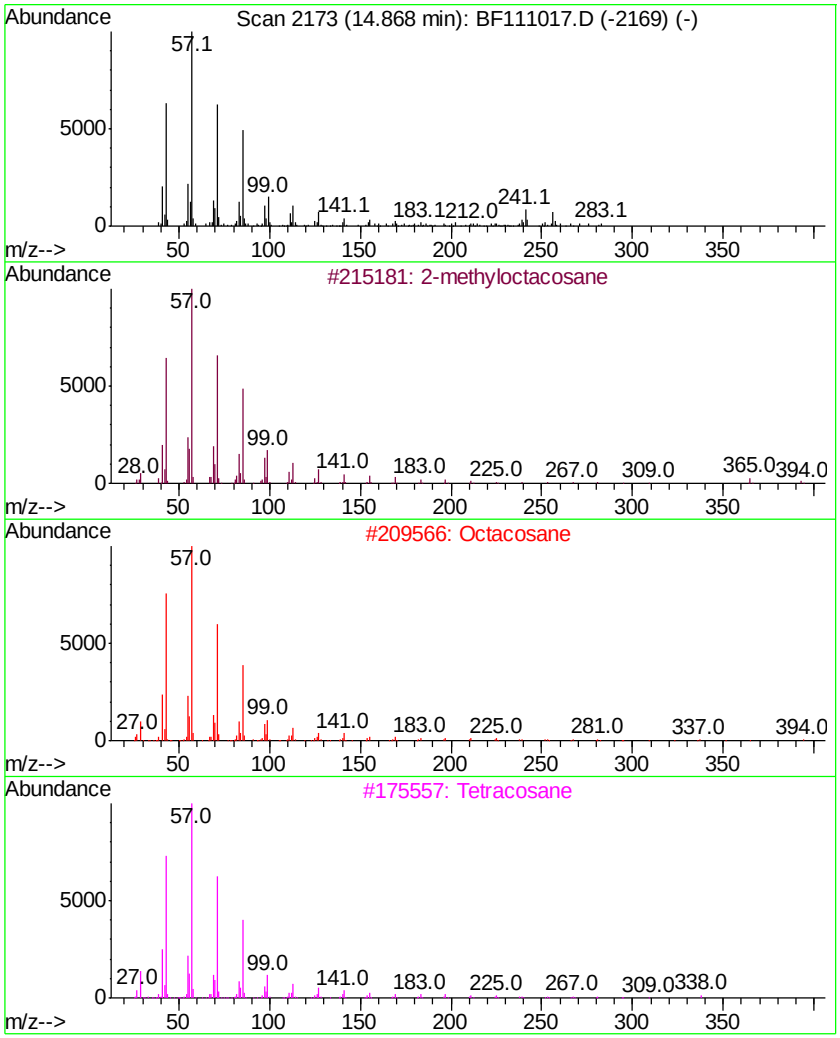
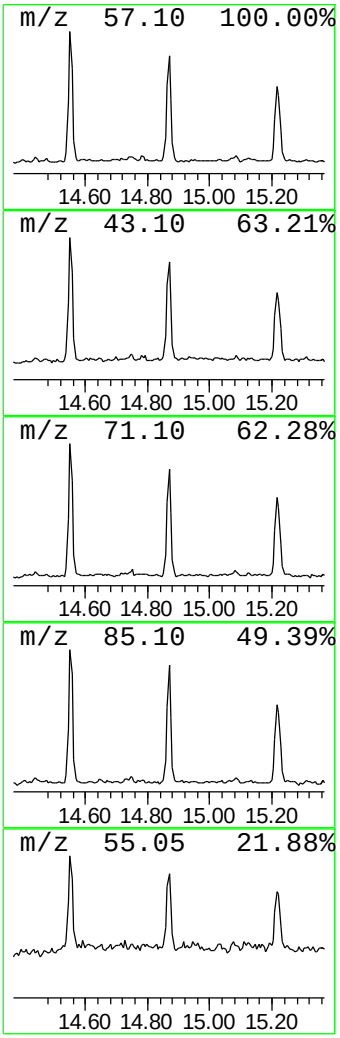
Peak Number 16 2-methyloctacosane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.87	4.28 ng	185710	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-methyloctacosane	408	C29H60	1000376-72-8	90
2	Octacosane	394	C28H58	000630-02-4	90
3	Tetracosane	338	C24H50	000646-31-1	90
4	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	87
5	Eicosane, 7-hexyl-	366	C26H54	055333-99-8	86





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Data File : BF111017.D
Acq On : 27 Nov 2018 18:42
Operator : JU/SJ
Sample : J6062-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-20(1-10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF112618.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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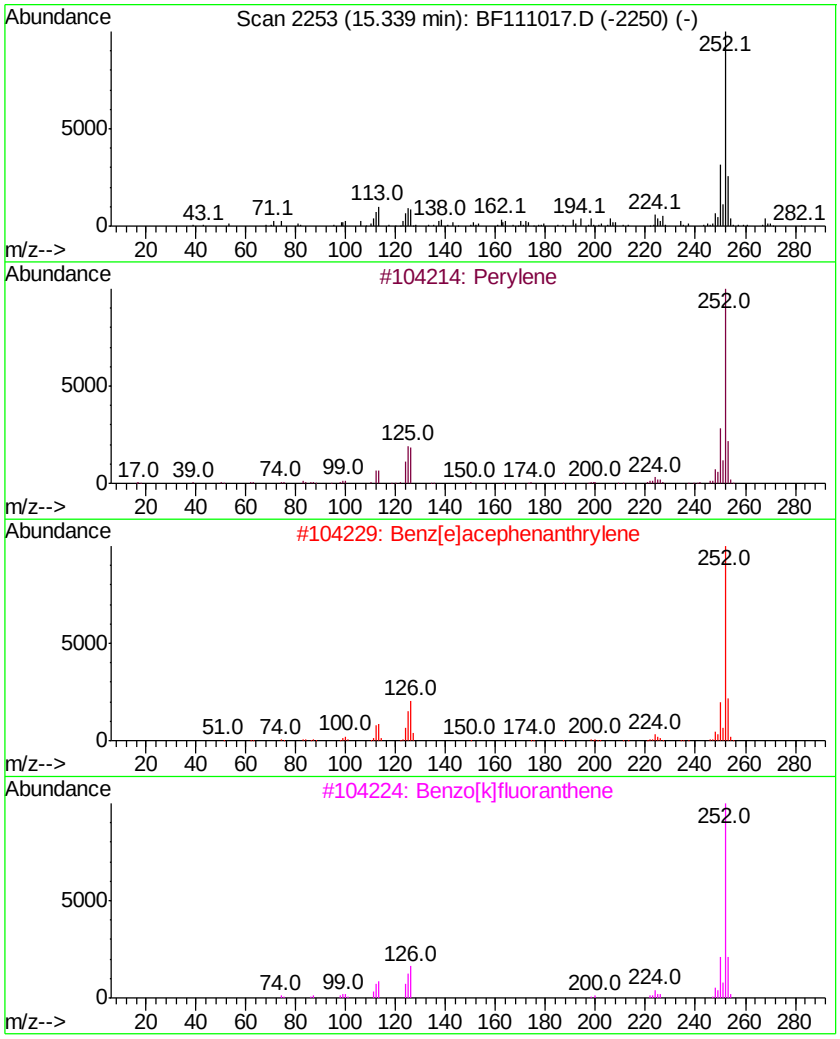
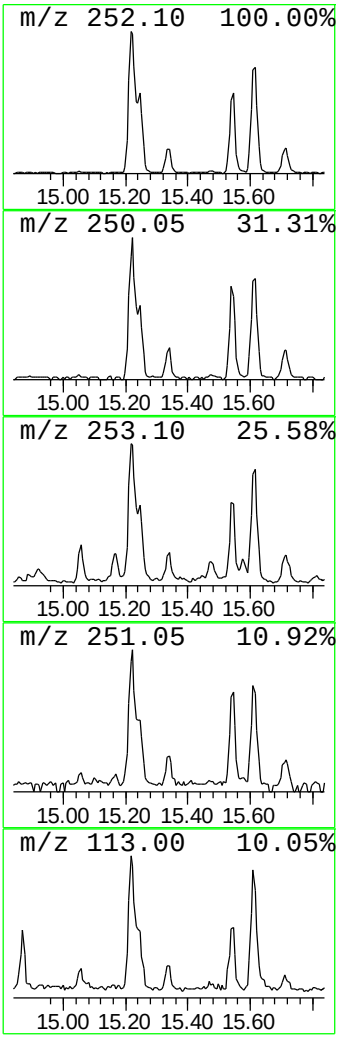
Peak Number 17 Perylene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	7.46 ng	58924	Perylene-d12	15.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	93
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
4	Benzo[a]pyrene	252	C20H12	000050-32-8	81
5	Benzo[e]pyrene	252	C20H12	000192-97-2	81





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Acq On : 27 Nov 2018 18:42
Operator : JU/SJ
Sample : J6062-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-20(1-10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF112618.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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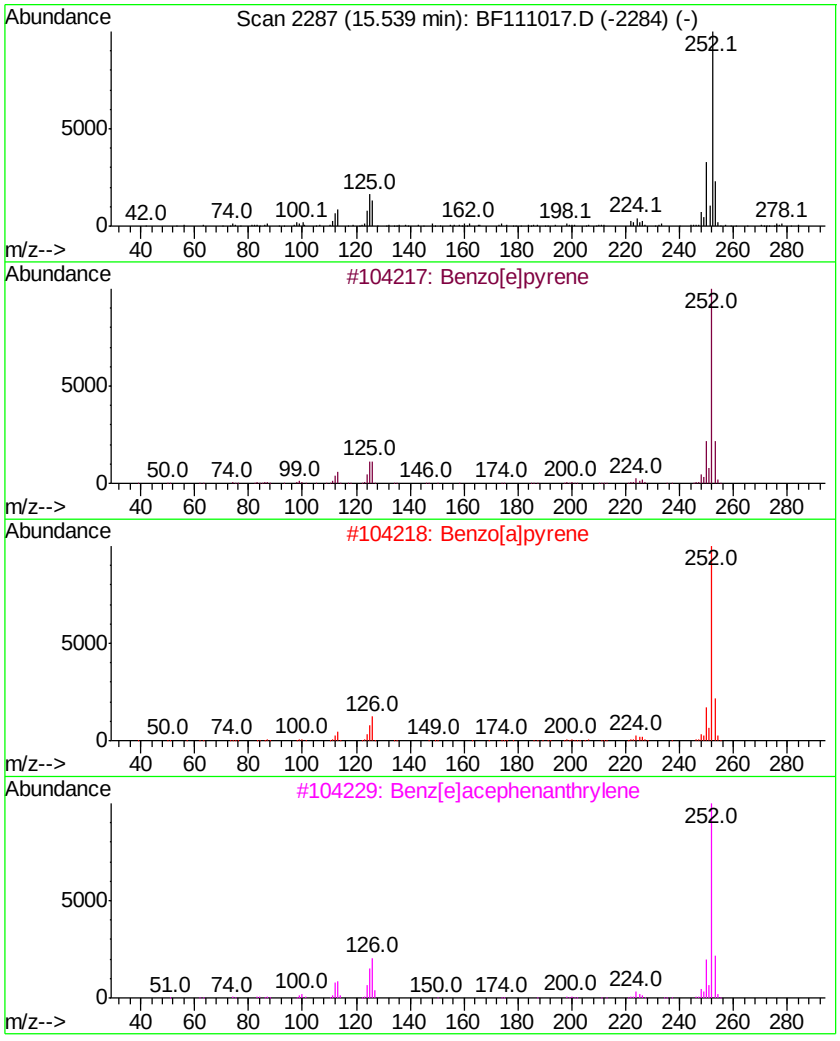
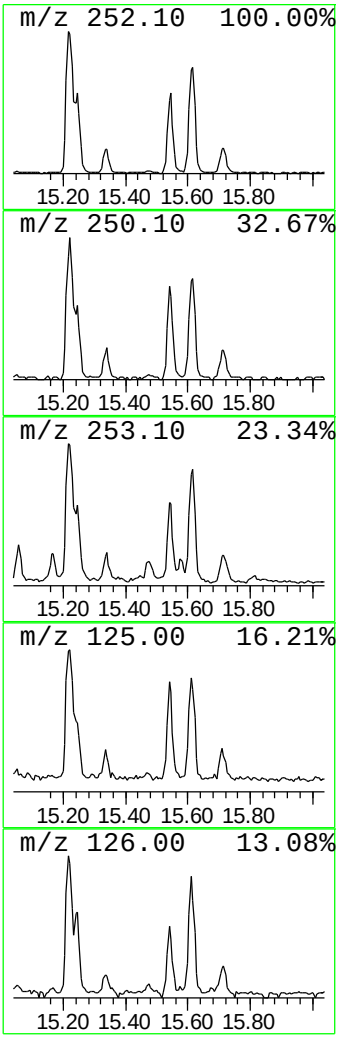
Peak Number 18 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.54	19.13 ng	151143	Perylene-d12	15.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	95
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	89
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112718\
Data File : BF111017.D
Acq On : 27 Nov 2018 18:42
Operator : JU/SJ
Sample : J6062-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-20(1-10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF112618.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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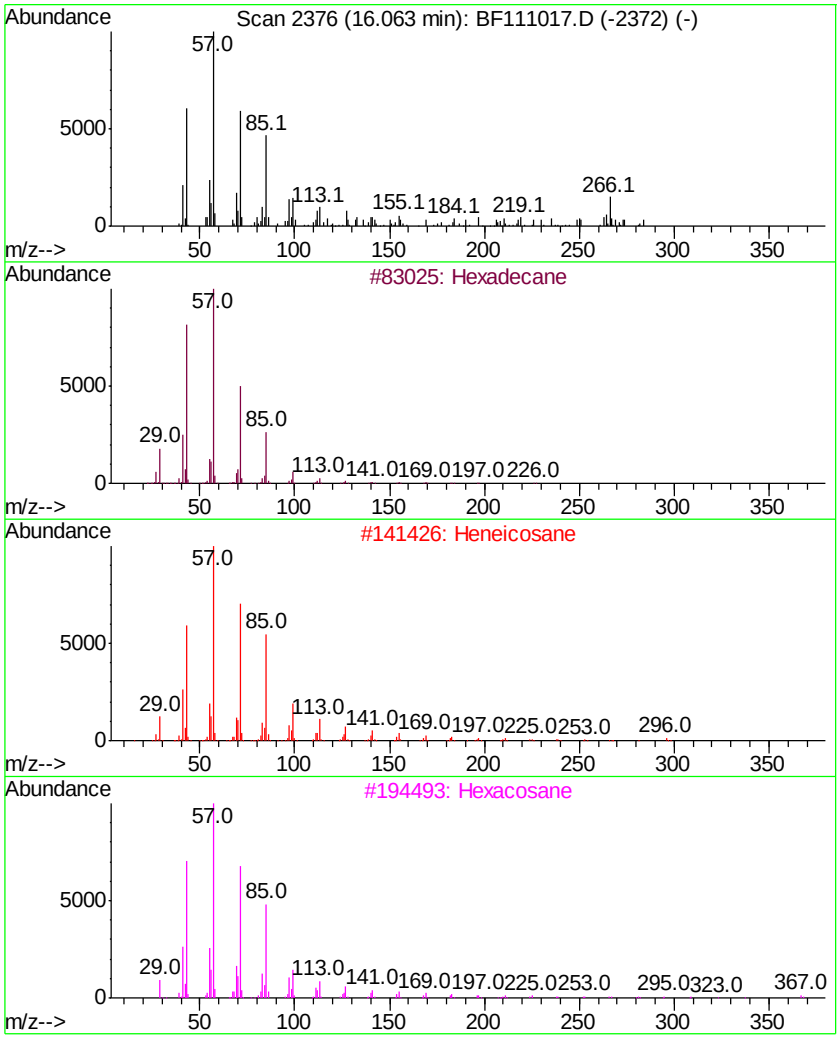
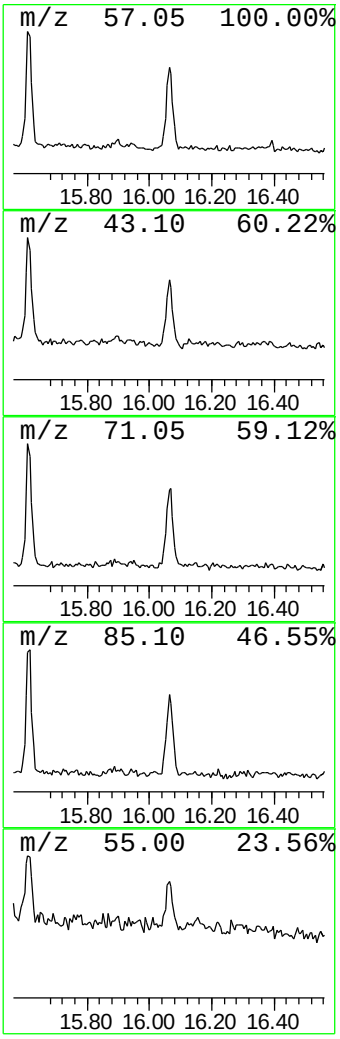
Peak Number 19 Hexadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	12.66 ng	100027	Perylene-d12	15.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	78
2	Heneicosane	296	C21H44	000629-94-7	60
3	Hexacosane	366	C26H54	000630-01-3	53
4	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	53
5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	53





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112718\
Data File : BF111017.D
Acq On : 27 Nov 2018 18:42
Operator : JU/SJ
Sample : J6062-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-20(1-10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF112618.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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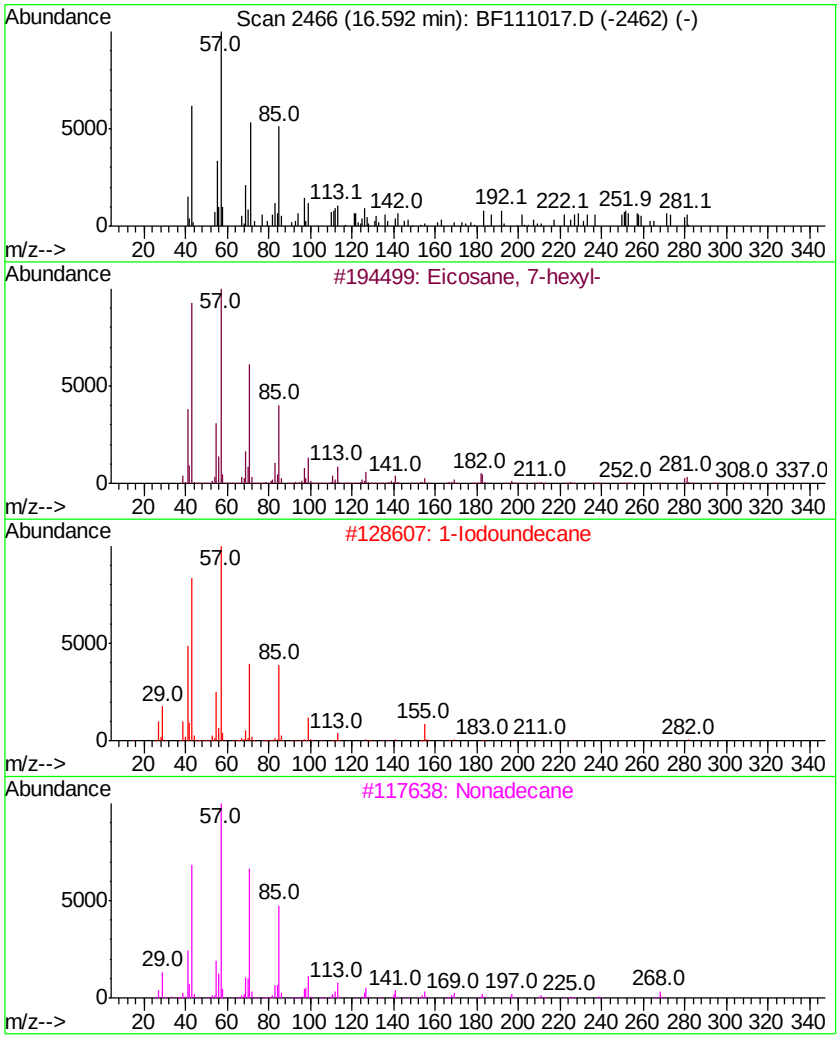
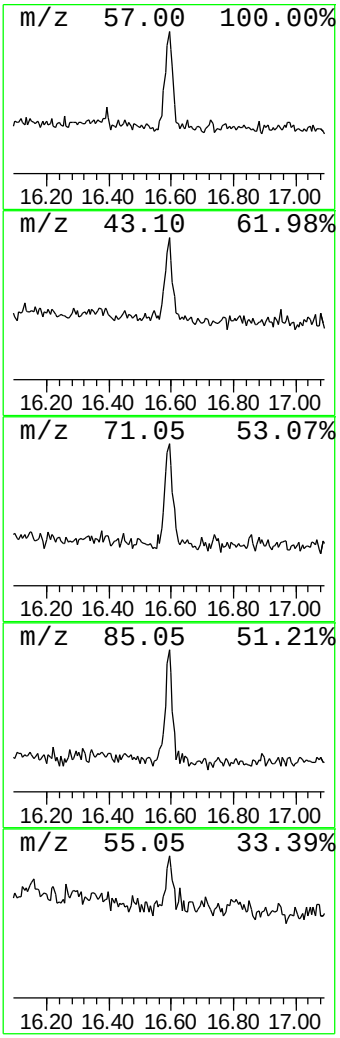
Peak Number 20 Eicosane, 7-hexyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.59	5.83 ng	46049	Perylene-d12	15.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane, 7-hexyl-	366	C26H54	055333-99-8	64
2	1-Iodoundecane	282	C11H23I	004282-44-4	52
3	Nonadecane	268	C19H40	000629-92-5	50
4	Nonadecane, 3-methyl-	282	C20H42	006418-45-7	43
5	Tetratetracontane	619	C44H90	007098-22-8	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF112718\
Data File : BF111017.D
Acq On : 27 Nov 2018 18:42
Operator : JU/SJ
Sample : J6062-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-20(1-10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF112618.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
Butane, 2-methoxy...	2.22	8.8	ng	103992	1	6.94	236663	20.0
unknown6.71	6.71	79.3	ng	938898	1	6.94	236663	20.0
Phenanthrene, 2-m...	11.98	11.7	ng	170602	4	11.48	292901	20.0
Phenanthrene, 1-m...	12.01	10.7	ng	155999	4	11.48	292901	20.0
4H-Cyclopenta[def...	12.10	18.3	ng	268257	4	11.48	292901	20.0
Phenanthrene, 4-m...	12.12	4.0	ng	59037	4	11.48	292901	20.0
Naphthalene, 2-ph...	12.27	5.1	ng	74687	4	11.48	292901	20.0
9,10-Dimethylanth...	12.53	5.5	ng	80258	4	11.48	292901	20.0
9,10-Bis(bromomet...	12.57	4.5	ng	65404	4	11.48	292901	20.0
11H-Benzo[b]fluorene	13.26	5.6	ng	242843	5	14.14	867779	20.0
Octadecane, 2-met...	13.93	6.6	ng	285530	5	14.14	867779	20.0
Octadecane	14.25	5.0	ng	218667	5	14.14	867779	20.0
2-Bromo dodecane	14.55	4.4	ng	190248	5	14.14	867779	20.0
2-methyloctacosane	14.87	4.3	ng	185710	5	14.14	867779	20.0
Perylene	15.34	7.5	ng	58924	6	15.67	158004	20.0
Benzo[e]pyrene	15.54	19.1	ng	151143	6	15.67	158004	20.0
Hexadecane	16.06	12.7	ng	100027	6	15.67	158004	20.0
Eicosane, 7-hexyl-	16.59	5.8	ng	46049	6	15.67	158004	20.0