LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
Data File : BF118610.D
Acq On : 21 Jan 2020 00:07
Operator : CG/JU
Sample : L1014-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-011720

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-BF012020.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	2.199	13	19	26	rVB	2286931	3194993	29.98%	2.259%
2	5.104	503	513	522	rVB	1573332	2129822	19.99%	1.506%
3	5.504	575	581	584	rBV	8945559	9407503	88.29%	6.651%
4	6.504	745	751	754	rBV	9150071	9843827	92.38%	6.959%
5	6.651	771	776	779	rBV	10096916	10087003	94.66%	7.131%
6	6.881	811	815	818	rBV	3579065	2949209	27.68%	2.085%
7	7.039	837	842	845	rBV	9144589	8143379	76.42%	5.757%
8	7.439	904	910	913	rBV	6323644	6139516	57.62%	4.340%
9	8.163	1028	1033	1036	rBV	4177696	3620225	33.98%	2.559%
10	8.592	1102	1106	1108	rBV	132687	129528	1.22%	0.092%
11	9.239	1211	1216	1219	rBV	12020459	10655506	100.00%	7.533%
12	9.327	1227	1231	1235	rBV3	111672	143299	1.34%	0.101%
13	9.627	1279	1282	1287	rBV	709589	633418	5.94%	0.448%
14	9.775	1304	1307	1310	rBV	227551	186484	1.75%	0.132%
15	9.916	1325	1331	1334	rBV	4273558	3690866	34.64%	2.609%
16	9.945	1334	1336	1340	rVB	173268	166213	1.56%	0.118%
17	10.116	1362	1365	1368	rVB	159569	148719	1.40%	0.105%
18	10.463	1421	1424	1430	rVB2	180764	205368	1.93%	0.145%
19	10.704	1460	1465	1468	rBV	5883067	5672344	53.23%	4.010%
20	10.827	1482	1486	1493	rVB4	213854	300028	2.82%	0.212%
21	11.010	1513	1517	1520	rBV3	89588	116896	1.10%	0.083%
22	11.204	1547	1550	1554	rVB3	116445	135199	1.27%	0.096%
23	11.251	1554	1558	1560	rVV	90537	119507	1.12%	0.084%
24	11.298	1564	1566	1571	rVB2	163025	209578	1.97%	0.148%
25	11.398	1580	1583	1585	rBV	3227126	2910917	27.32%	2.058%
26	11.421	1585	1587	1591	rVV	2523998	2206990	20.71%	1.560%
27	11.474	1591	1596	1599	rVB	717329	628308	5.90%	0.444%
28	11.510	1599	1602	1605	rBV2	103445	119139	1.12%	0.084%
29	11.621	1617	1621	1624	rBV2	90943	133079	1.25%	0.094%
30	11.698	1632	1634	1637	rBV	174663	131885	1.24%	0.093%
31	11.733	1637	1640	1642	rVB	166795	141640	1.33%	0.100%
32	11.904	1665	1669	1671	rBV	631949	595157	5.59%	0.421%
33	11.927	1671	1673	1677	rVV	1513041	1324817	12.43%	0.937%
34	11.974	1678	1681	1684	rVV	303956	303932	2.85%	0.215%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
Data File : BF118610.D
Acq On : 21 Jan 2020 00:07
Operator : CG/JU
Sample : L1014-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-011720

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-BF012020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.016	1684	1688	1690	rVV2	863871	1063649	9.98%	0.752%
36	12.033	1690	1691	1696	rVB	506054	361822	3.40%	0.256%
37	12.198	1713	1719	1721	rBV	453610	506202	4.75%	0.358%
38	12.216	1721	1722	1729	rVB2	250372	211153	1.98%	0.149%
39	12.345	1742	1744	1747	rVB	209128	156981	1.47%	0.111%
40	12.380	1747	1750	1751	rBV	208413	175727	1.65%	0.124%
41	12.398	1751	1753	1756	rVB2	179444	178132	1.67%	0.126%
42	12.451	1758	1762	1765	rBV	580375	621930	5.84%	0.440%
43	12.492	1765	1769	1771	rVV2	335576	457364	4.29%	0.323%
44	12.533	1774	1776	1781	rVB2	360686	388814	3.65%	0.275%
45	12.616	1786	1790	1793	rBV	5260745	4523141	42.45%	3.198%
46	12.657	1793	1797	1799	rBV	141256	121209	1.14%	0.086%
47	12.710	1803	1806	1809	rBV3	261590	278330	2.61%	0.197%
48	12.763	1813	1815	1819	rVB2	162006	150471	1.41%	0.106%
49	12.839	1822	1828	1831	rBV	4185996	4704739	44.15%	3.326%
50	12.898	1835	1838	1842	rVB2	213264	318185	2.99%	0.225%
51	12.957	1845	1848	1849	rBV	269068	212409	1.99%	0.150%
52	12.986	1849	1853	1856	rVB	9600746	8286414	77.77%	5.858%
53	13.057	1861	1865	1869	rBV2	432191	672058	6.31%	0.475%
54	13.115	1873	1875	1877	rBV2	120023	119331	1.12%	0.084%
55	13.151	1877	1881	1882	rVV2	330976	442475	4.15%	0.313%
56	13.168	1882	1884	1887	rVB	654008	548120	5.14%	0.388%
57	13.233	1892	1895	1898	rVB	333969	323457	3.04%	0.229%
58	13.274	1898	1902	1905	rBV2	600537	655474	6.15%	0.463%
59	13.363	1915	1917	1920	rVB	362254	319876	3.00%	0.226%
60	13.398	1920	1923	1926	rBV	350072	346166	3.25%	0.245%
61	13.468	1933	1935	1942	rBV4	124172	174861	1.64%	0.124%
62	13.568	1950	1952	1954	rBV2	140398	121451	1.14%	0.086%
63	13.674	1967	1970	1975	rVB	485748	547982	5.14%	0.387%
64	13.780	1984	1988	1992	rBV2	479122	768764	7.21%	0.543%
65	13.815	1992	1994	1996	rVV	418725	359589	3.37%	0.254%
66	13.839	1996	1998	2002	rVV2	337293	469046	4.40%	0.332%
67	13.880	2002	2005	2013	rVB2	1758520	1858503	17.44%	1.314%
68	14.033	2027	2031	2034	rBV2	4007000	5703966	53.53%	4.033%
69	14.062	2034	2036	2043	rVB	2553799	2227044	20.90%	1.574%
70	14.145	2048	2050	2053	rVV	239359	167243	1.57%	0.118%
71	14.257	2066	2069	2073	rBV2	253411	365103	3.43%	0.258%

LSC Area Percent Report

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Acq On : 21 Jan 2020 00:07
Operator : CG/JU
Sample : L1014-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-011720

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-BF012020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.386	2089	2091	2093	rBV	207864	201586	1.89%	0.143%
73	14.421	2095	2097	2100	rVB	556786	487166	4.57%	0.344%
74	14.457	2100	2103	2106	rBV	379564	339253	3.18%	0.240%
75	14.515	2110	2113	2116	rVB2	714174	643881	6.04%	0.455%
76	14.551	2116	2119	2121	rBV	244367	299240	2.81%	0.212%
77	14.827	2163	2166	2169	rBV	474185	432504	4.06%	0.306%
78	15.080	2205	2209	2212	rBV	1720351	2682926	25.18%	1.897%
79	15.168	2221	2224	2234	rVB2	746263	1483994	13.93%	1.049%
80	15.386	2257	2261	2267	rVB	1119293	1381774	12.97%	0.977%
81	15.445	2268	2271	2277	rVV	1398415	1807461	16.96%	1.278%
82	15.515	2278	2283	2286	rVV	1833961	2574223	24.16%	1.820%
83	15.556	2286	2290	2296	rVB3	769113	1374752	12.90%	0.972%
84	15.998	2362	2365	2369	rBV	377772	521670	4.90%	0.369%
85	16.986	2529	2533	2541	rVB2	546620	1075918	10.10%	0.761%
86	17.427	2605	2608	2616	rVB	421795	711387	6.68%	0.503%

Sum of corrected areas: 141449210

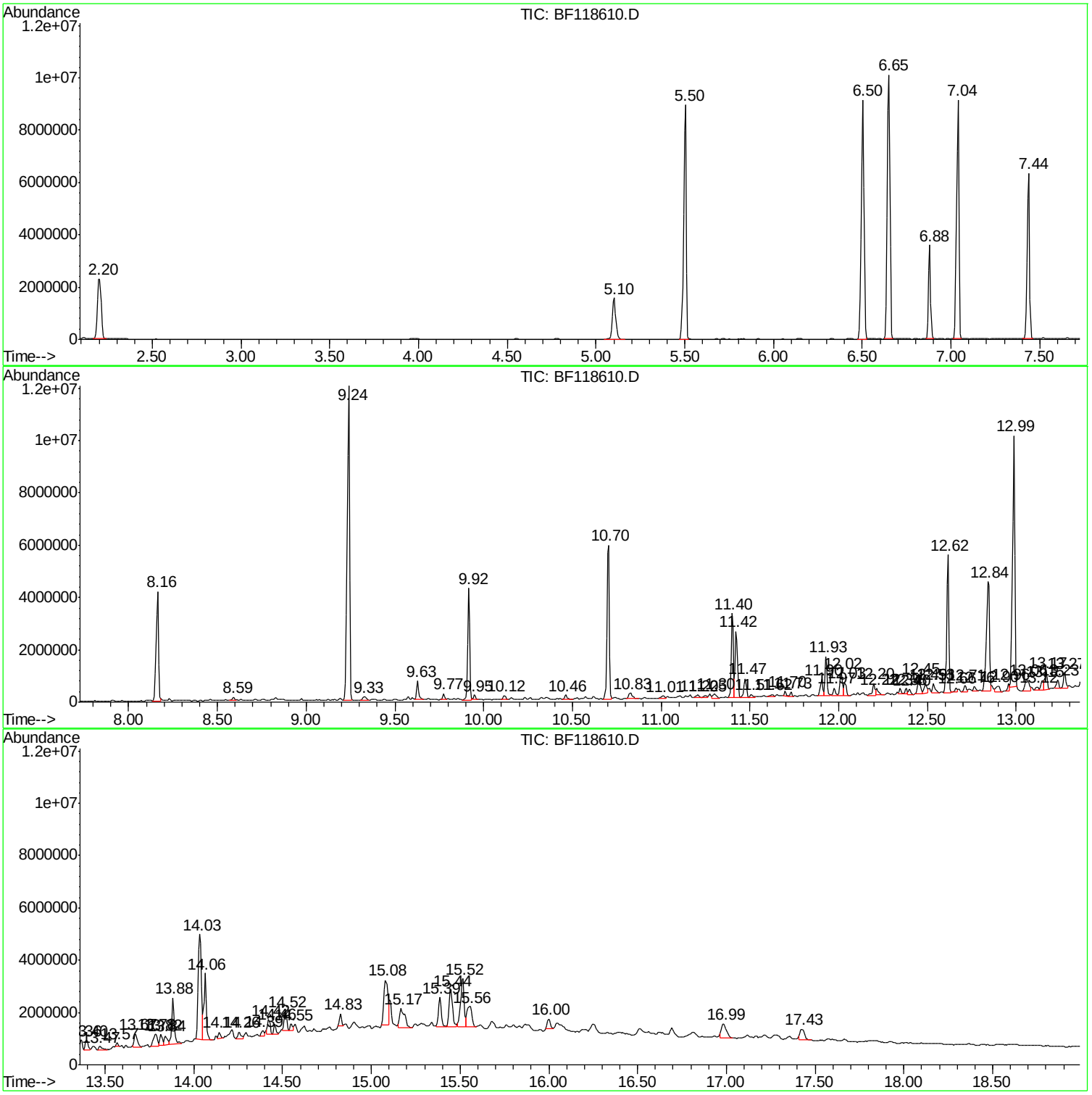
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
Data File : BF118610.D
Acq On : 21 Jan 2020 00:07
Operator : CG/JU
Sample : L1014-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-011720

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.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\BF012020\
Data File : BF118610.D
Acq On : 21 Jan 2020 00:07
Operator : CG/JU
Sample : L1014-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-011720

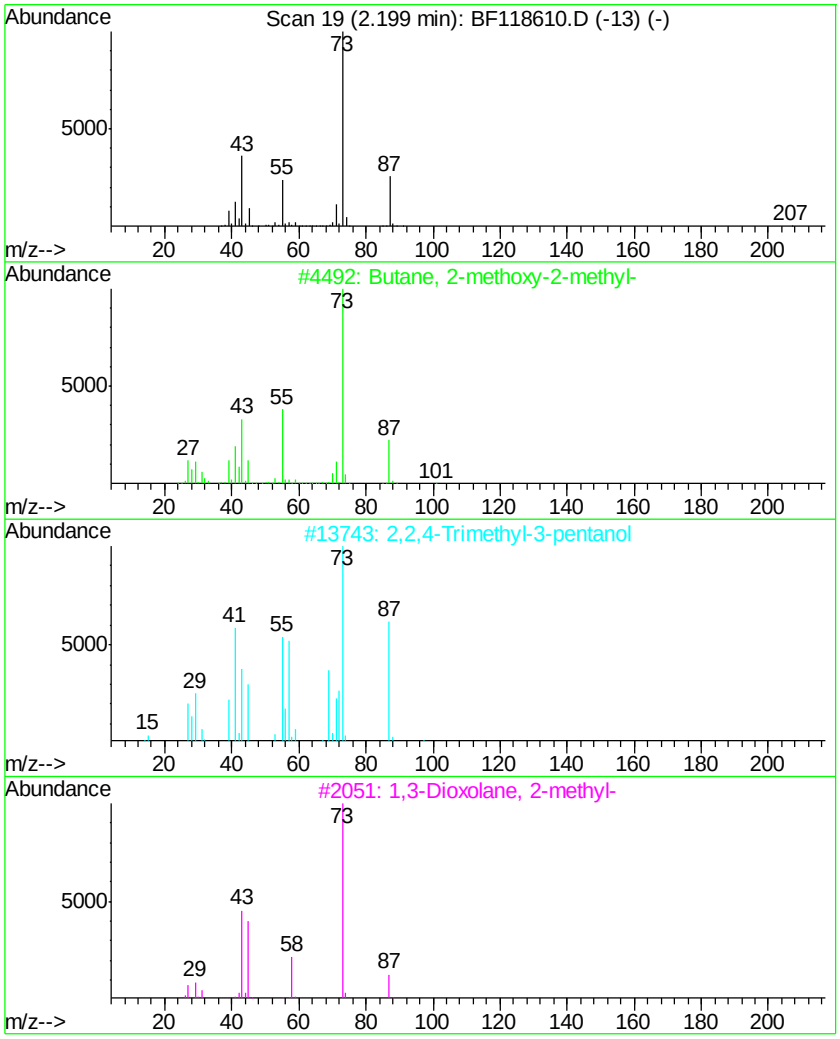
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

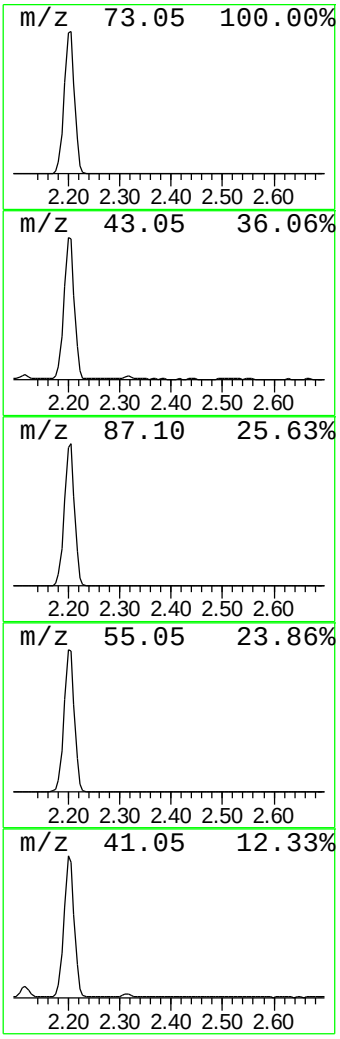
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.20	21.67 ng	3194990	1,4-Dichlorobenzene-d4	6.88

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	56
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	37
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	12





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
Data File : BF118610.D
Acq On : 21 Jan 2020 00:07
Operator : CG/JU
Sample : L1014-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-011720

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

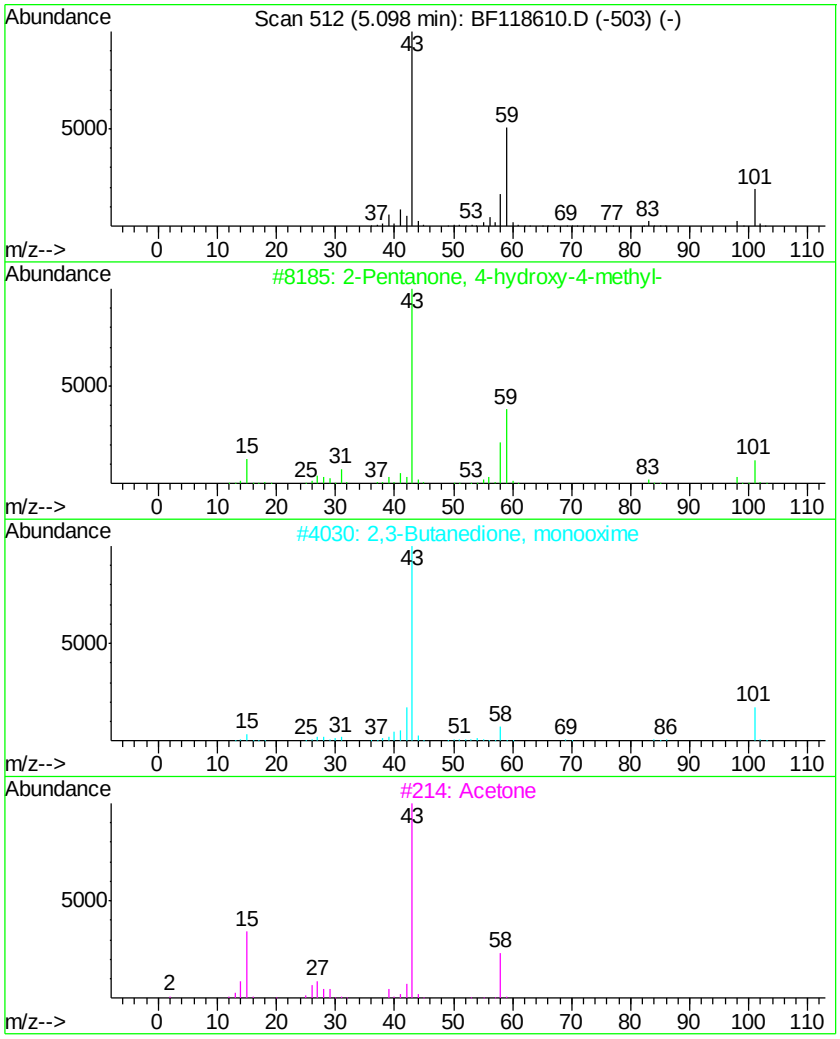
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

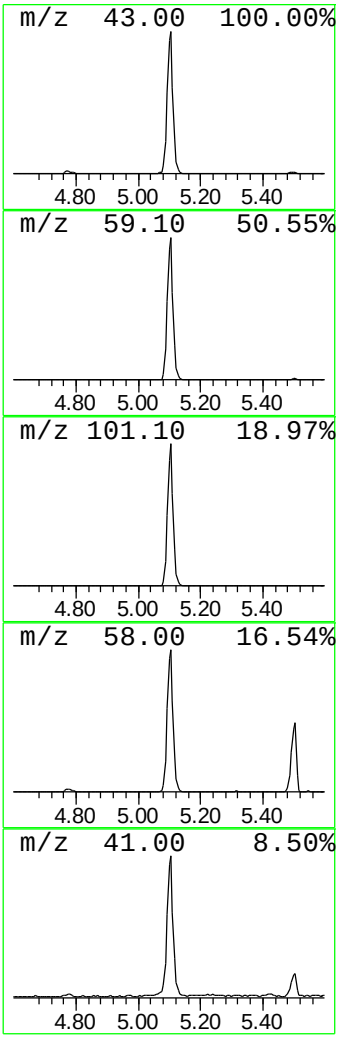
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.10	14.44 ng	2129820	1,4-Dichlorobenzene-d4	6.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
3	Acetone	58	C3H6O	000067-64-1	10
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
Data File : BF118610.D
Acq On : 21 Jan 2020 00:07
Operator : CG/JU
Sample : L1014-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-011720

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

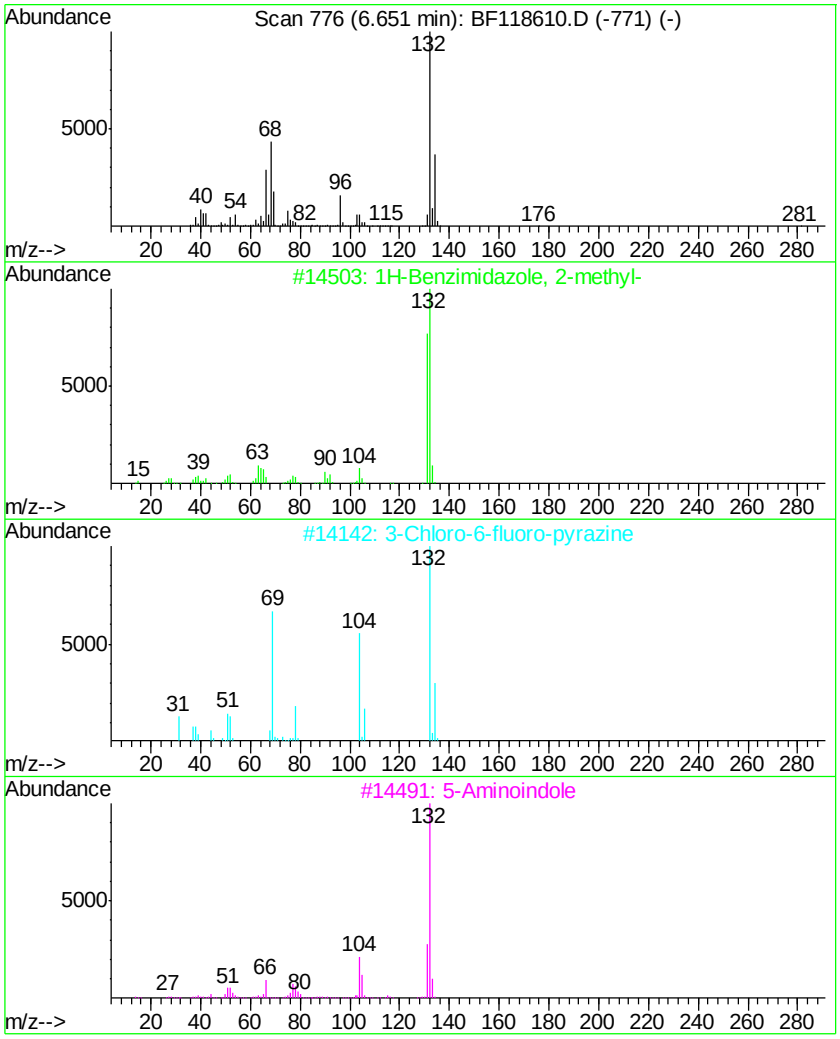
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

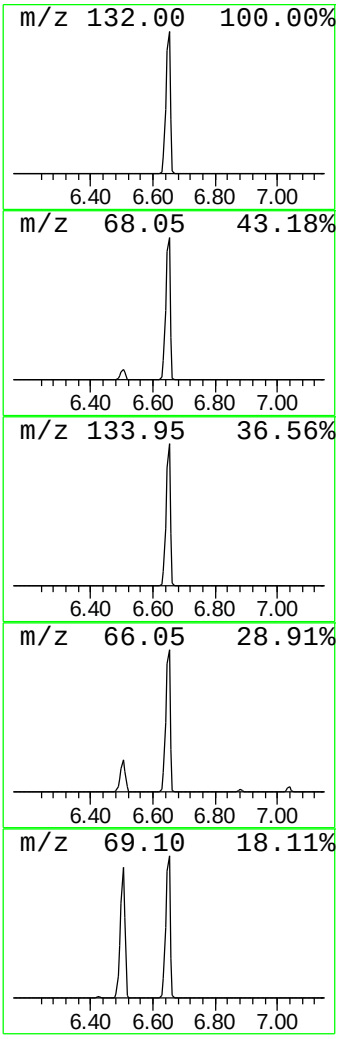
****

Peak Number 3 unknown6.65 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.65	68.40 ng	10087000	1,4-Dichlorobenzene-d4	6.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
5	Cyclopropanamine, 1-phenyl-	133	C9H11N	1000351-26-2	10





Library Search Compound Report

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Acq On : 21 Jan 2020 00:07
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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-011720

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

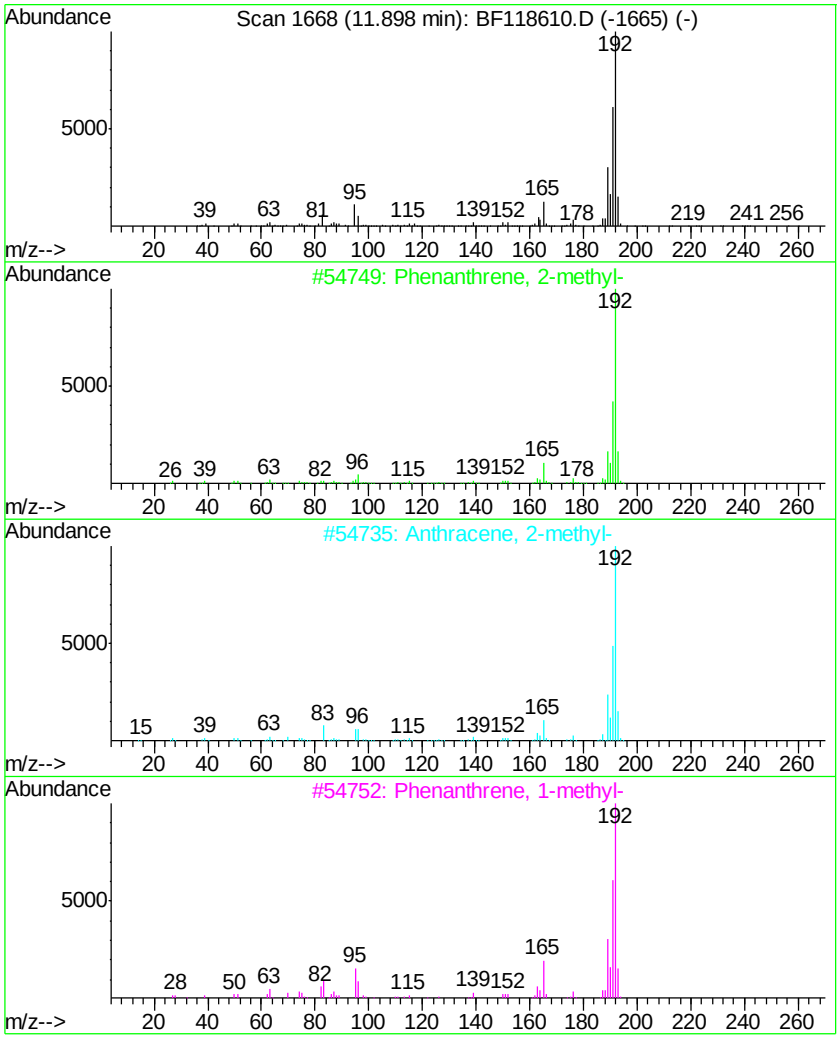
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

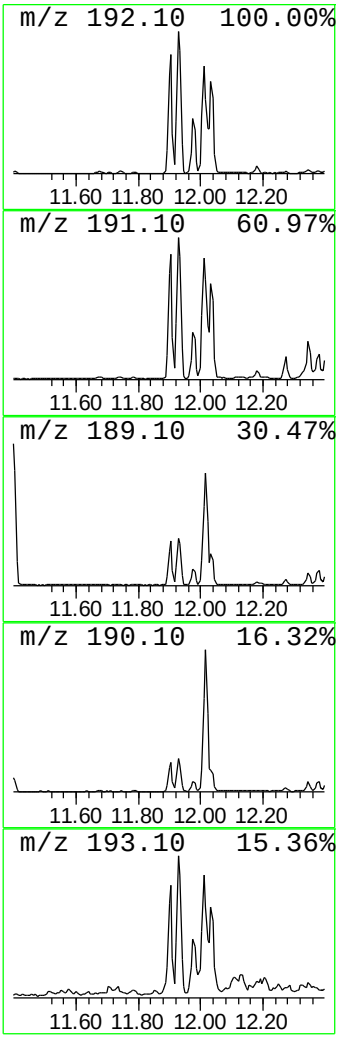
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	4.09 ng	595157	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





Library Search Compound Report

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Data File : BF118610.D
Acq On : 21 Jan 2020 00:07
Operator : CG/JU
Sample : L1014-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-011720

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

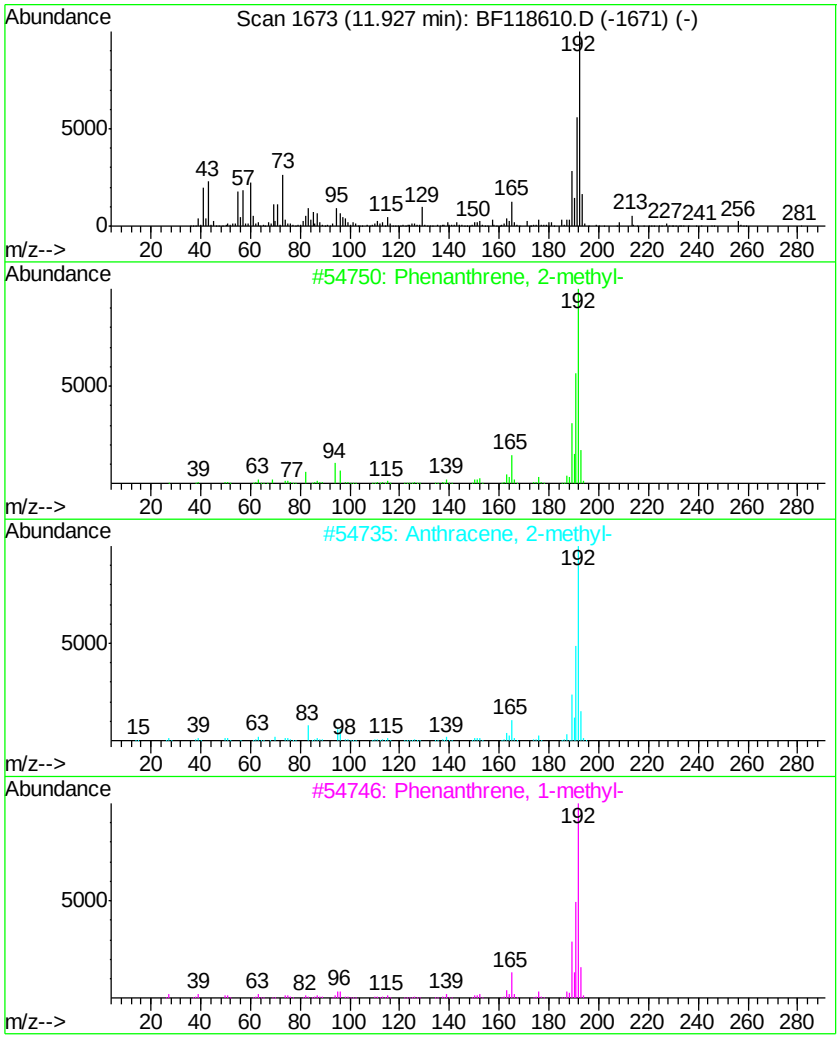
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

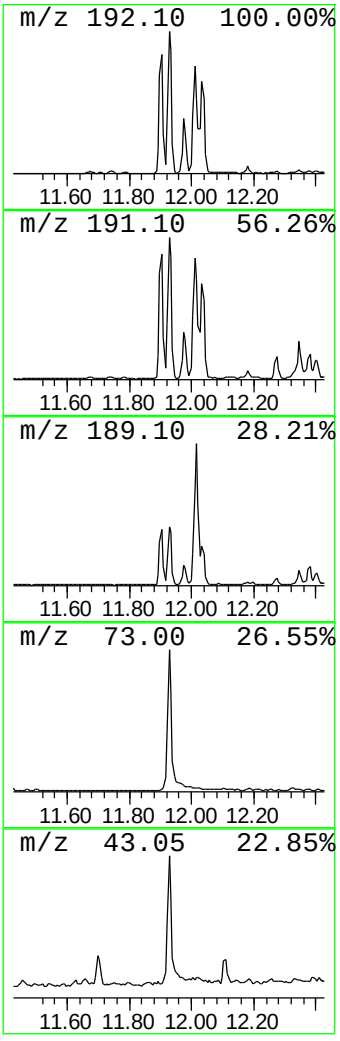
****

Peak Number 6 Anthracene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	9.10 ng	1324820	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93





Library Search Compound Report

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Data File : BF118610.D
Acq On : 21 Jan 2020 00:07
Operator : CG/JU
Sample : L1014-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-011720

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

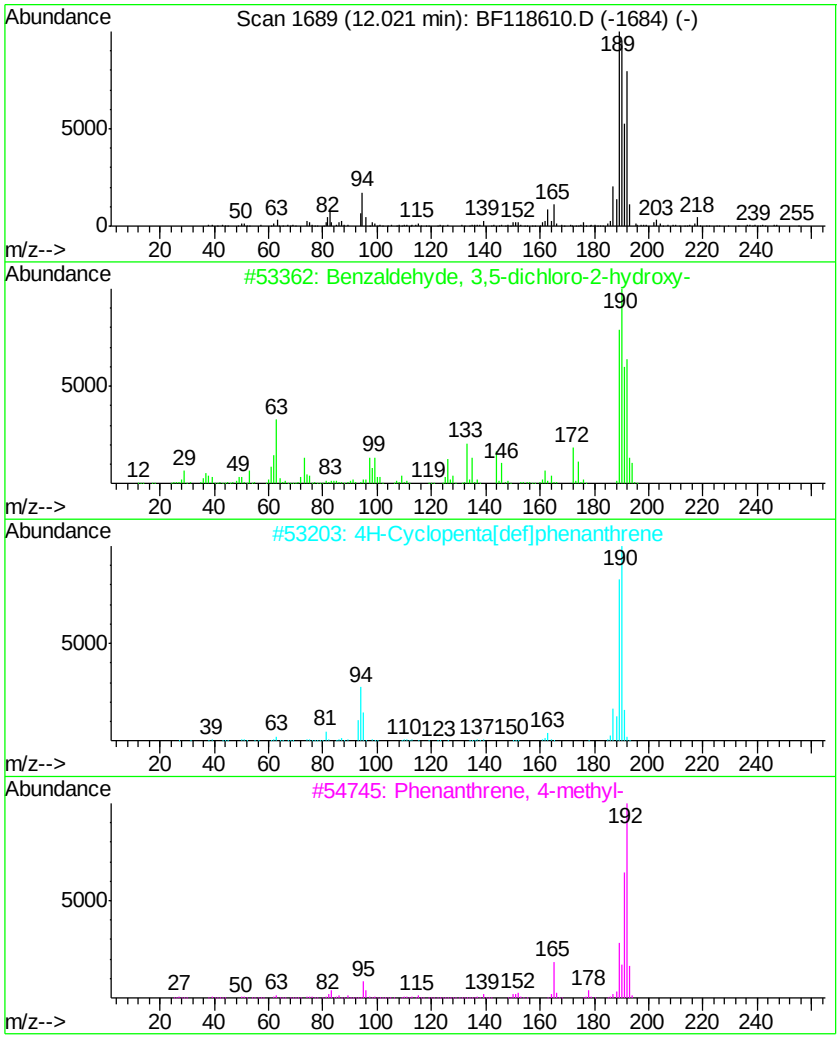
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

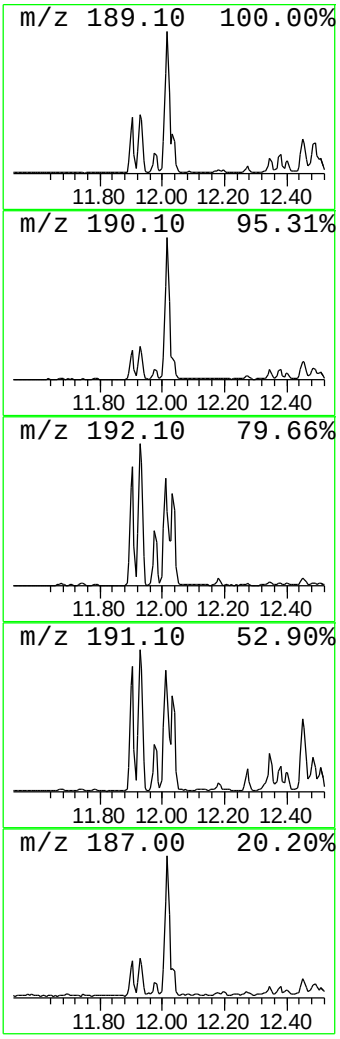
****

Peak Number 7 Benzaldehyde, 3,5-dichloro-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	7.31 ng	1063650	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	38





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Acq On : 21 Jan 2020 00:07
Operator : CG/JU
Sample : L1014-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-011720

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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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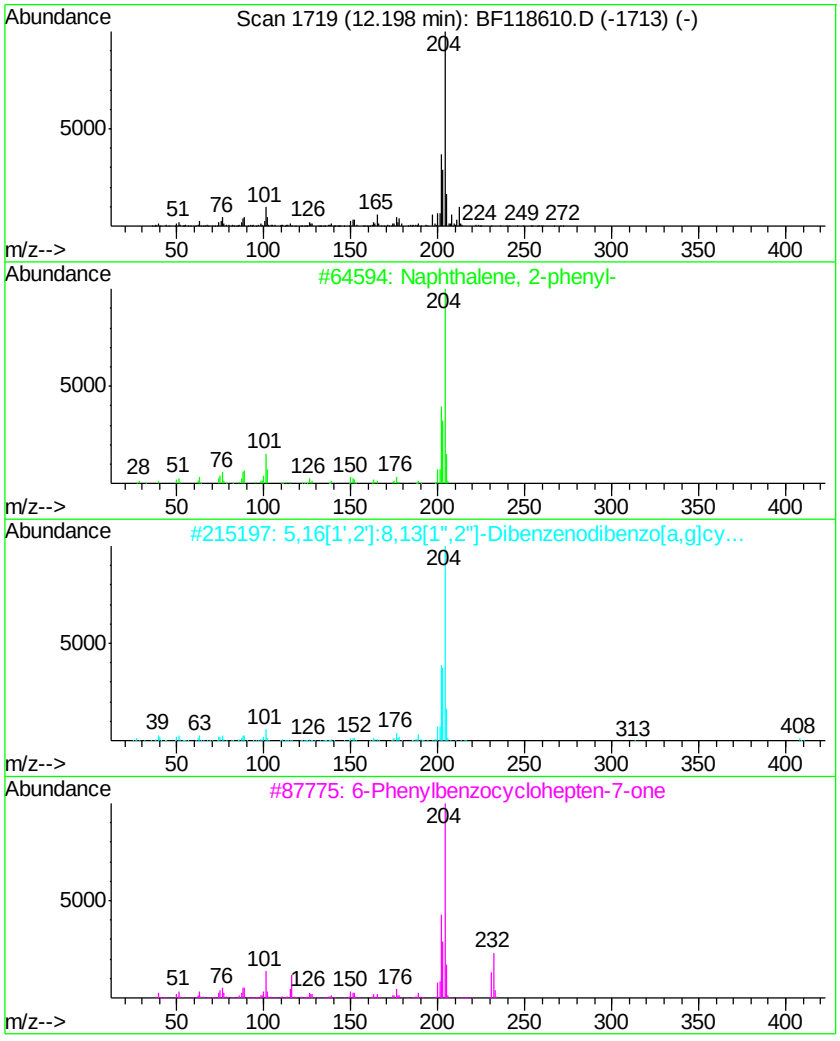
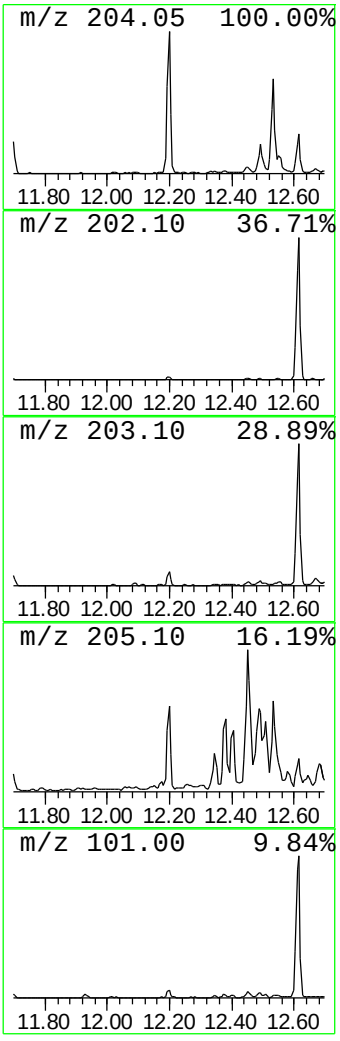
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	3.48 ng	506202	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	87
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	76
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58





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Sample : L1014-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-011720

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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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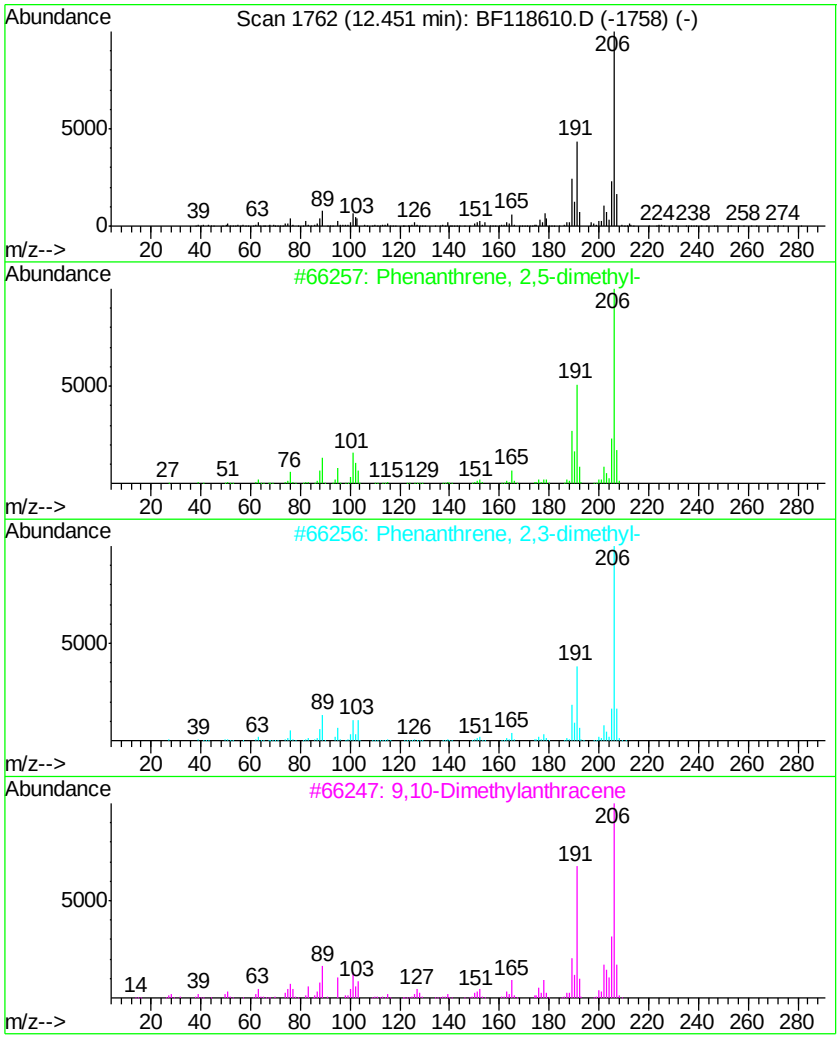
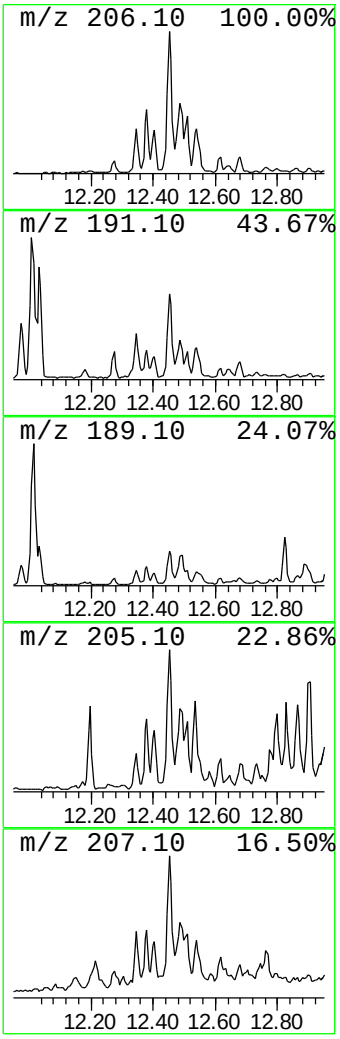
Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	4.27 ng	621930	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89





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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-011720

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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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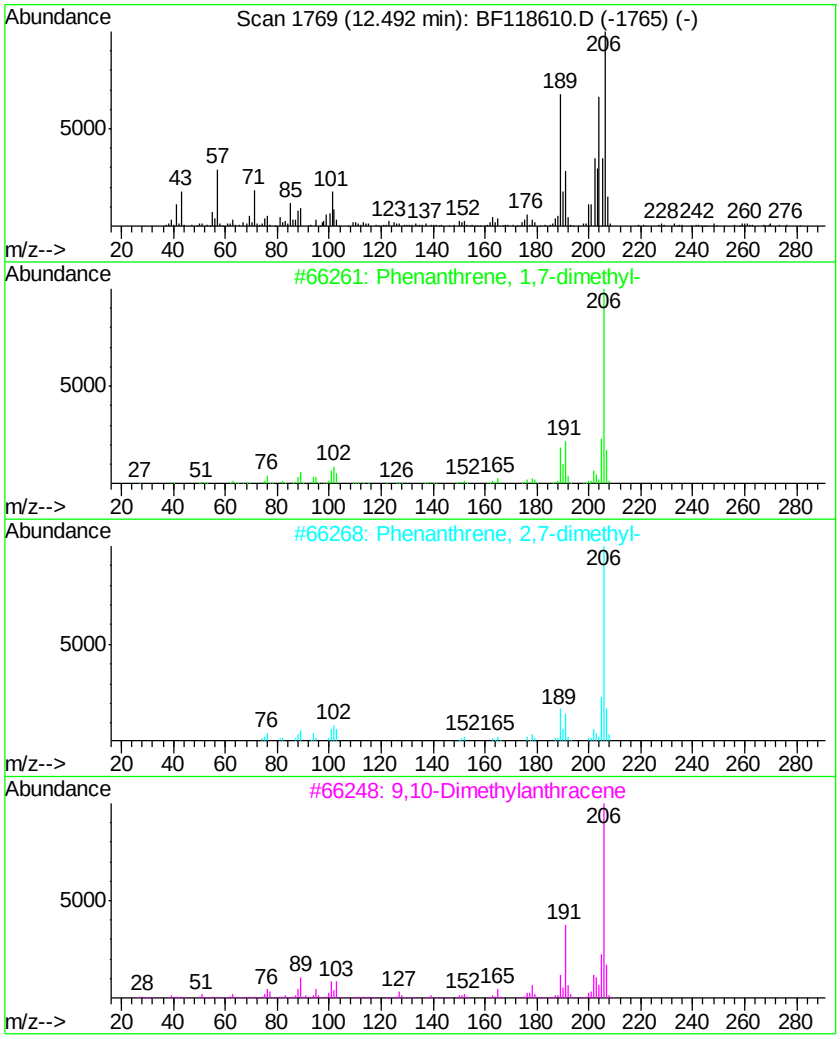
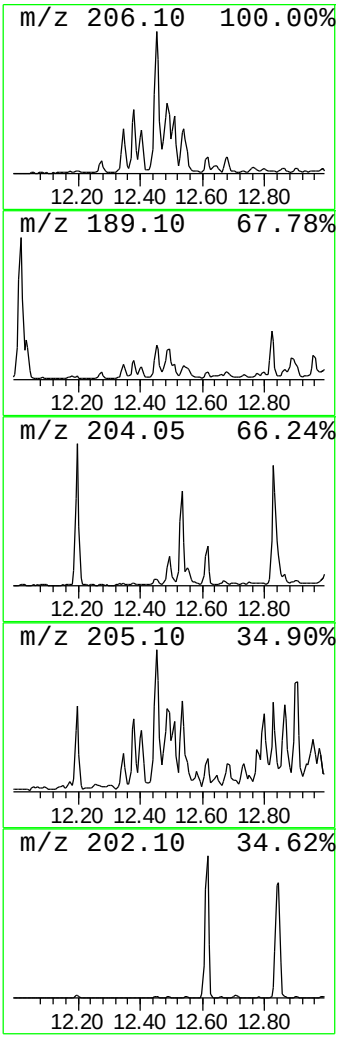
Peak Number 11 Phenanthrene, 1,7-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	3.14 ng	457364	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	55
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	46
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	45
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	45
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	45





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Acq On : 21 Jan 2020 00:07
Operator : CG/JU
Sample : L1014-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-011720

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.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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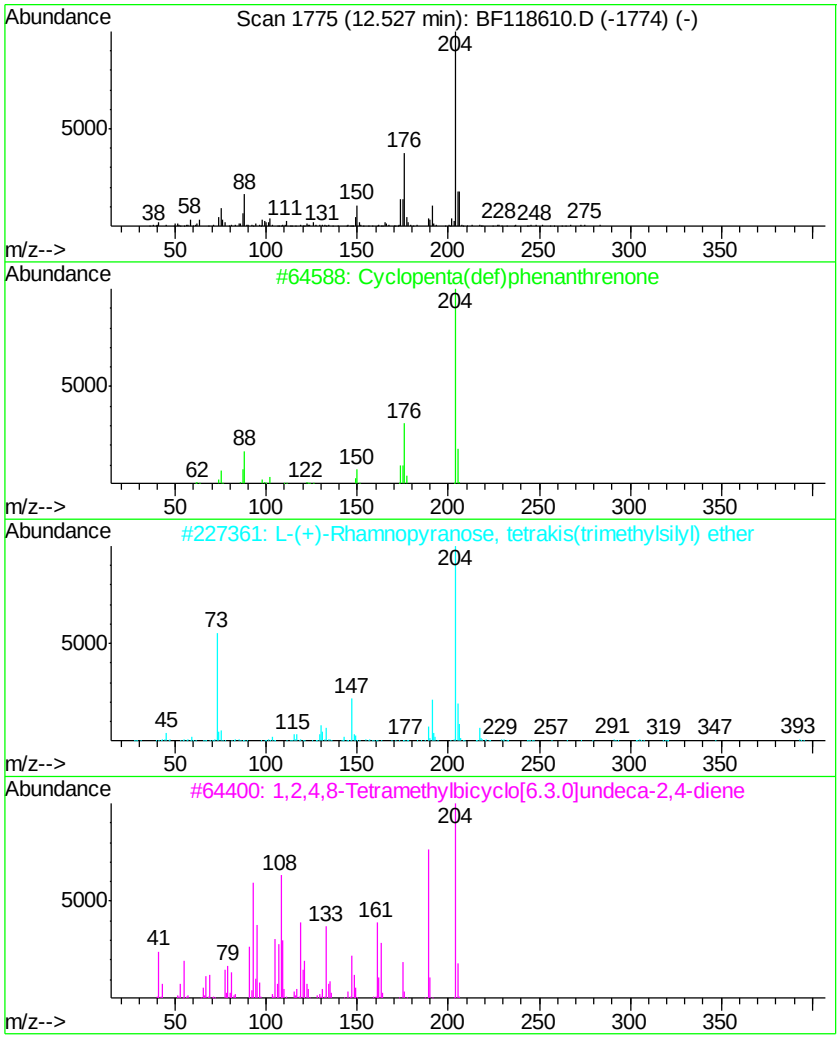
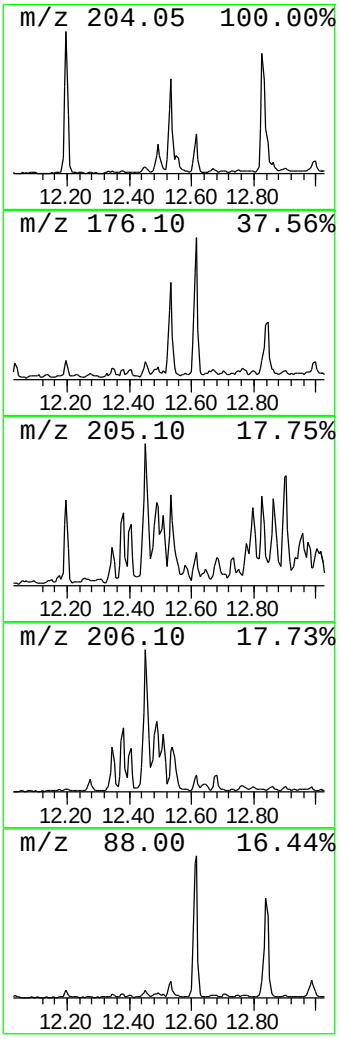
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	2.67 ng	388814	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	91
2	L-(+)-Rhamnopyranose, tetrakis(t...	452	C18H44O5Si4	1000380-12-9	47
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	46
4	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	43
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	43





Library Search Compound Report

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ClientSampleId : OR-02-011720

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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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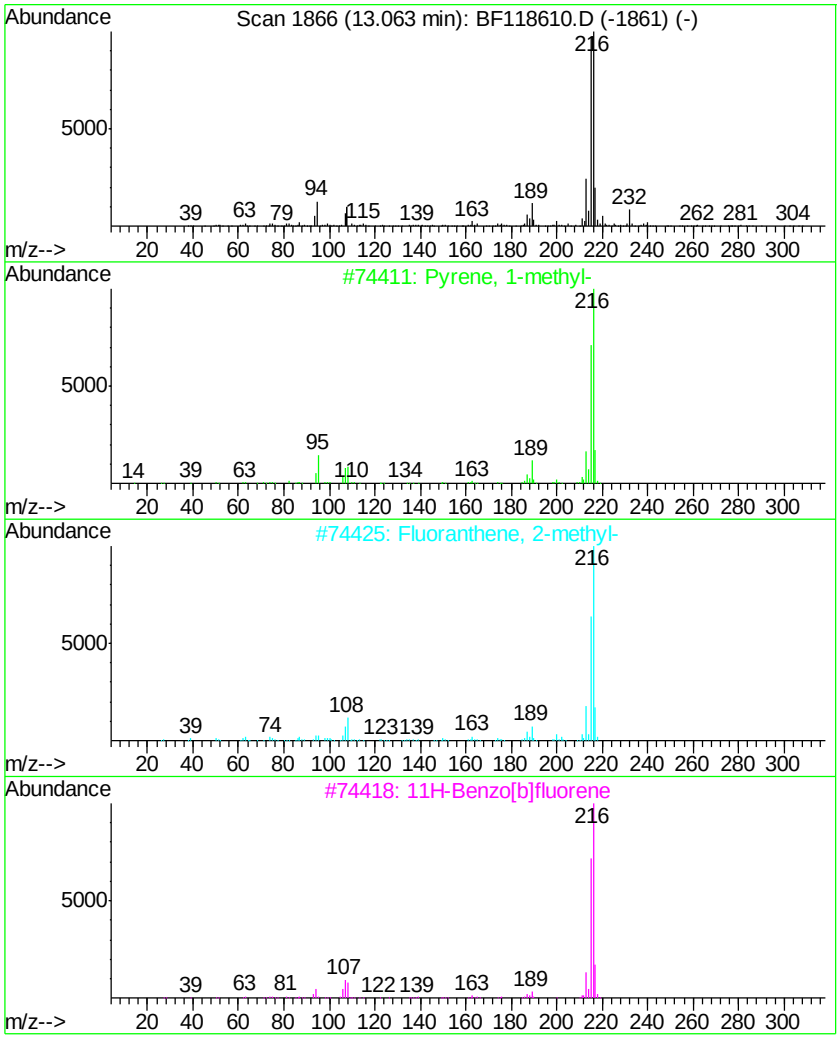
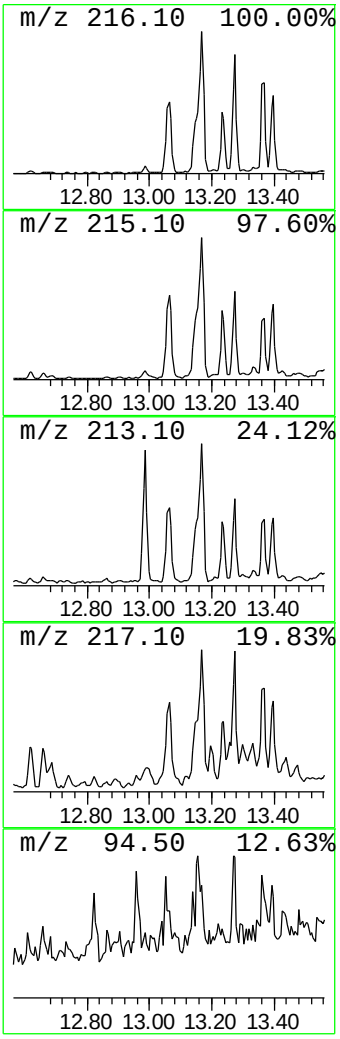
Peak Number 13 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.06	2.36 ng	672058	Chrysene-d12	14.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	74
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	70





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Operator : CG/JU
Sample : L1014-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-011720

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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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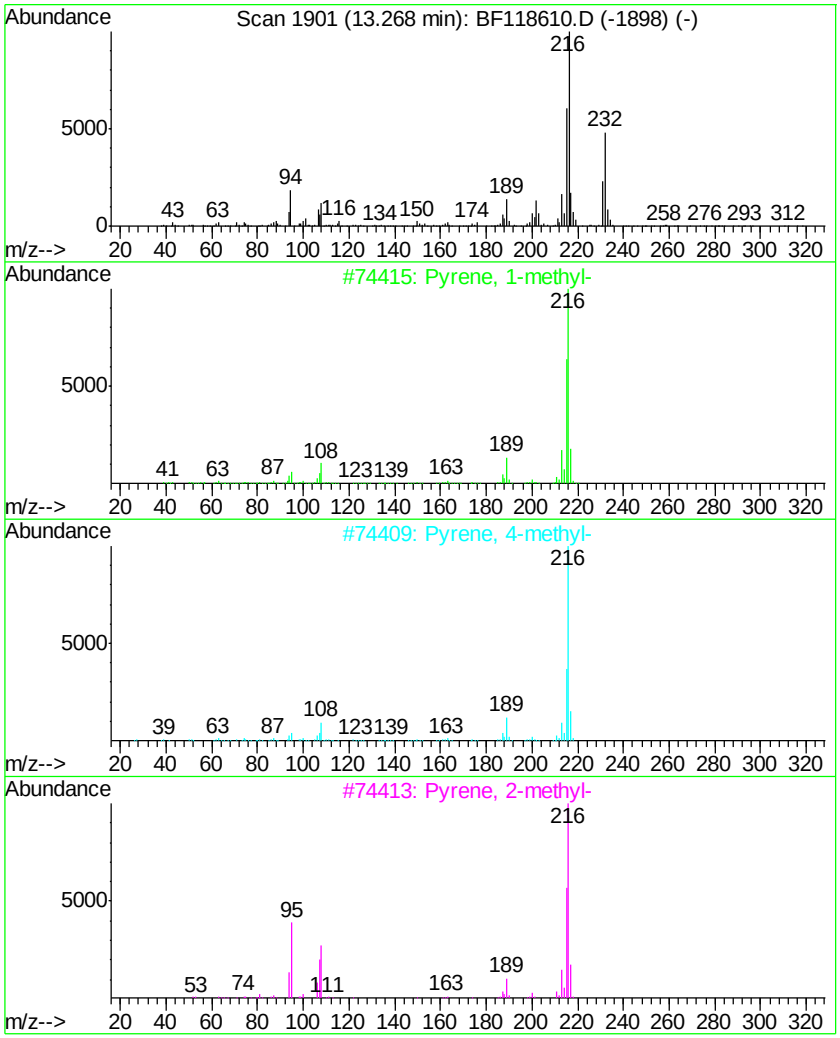
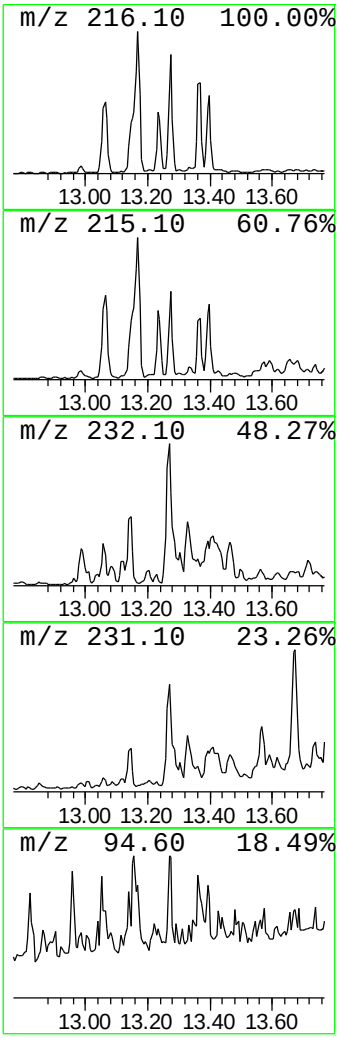
Peak Number 14 Pyrene, 4-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	2.30 ng	655474	Chrysene-d12	14.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	95
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





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Operator : CG/JU
Sample : L1014-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-011720

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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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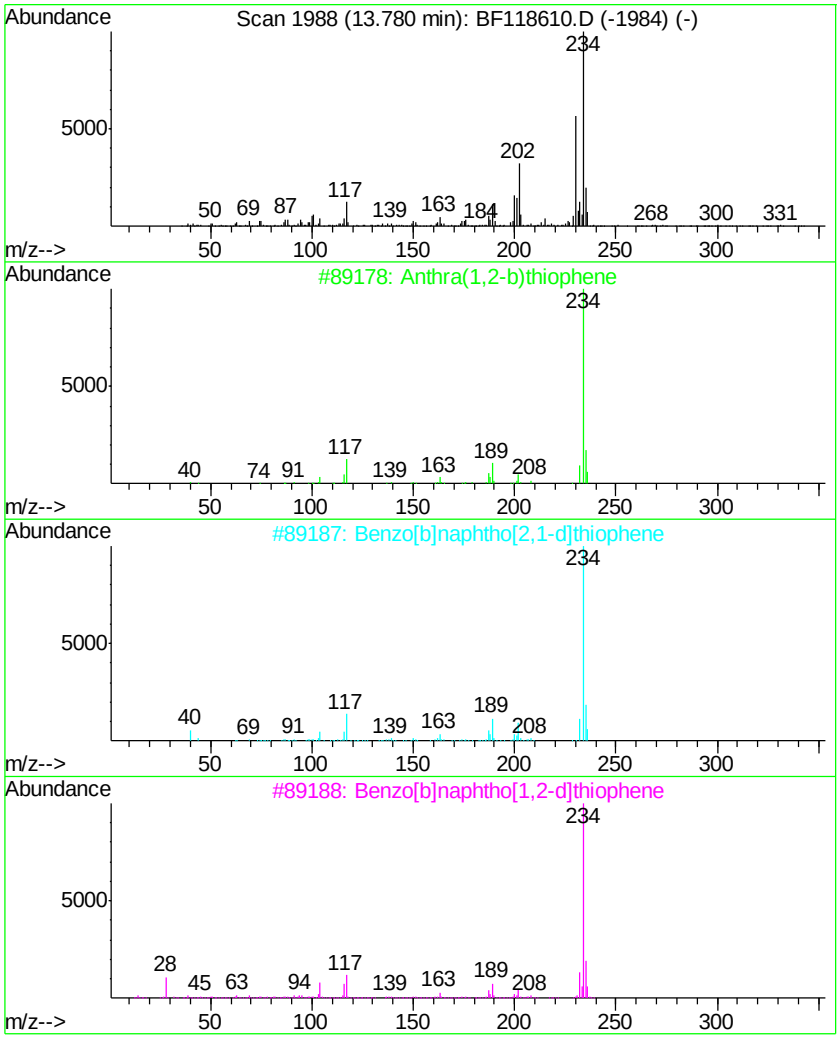
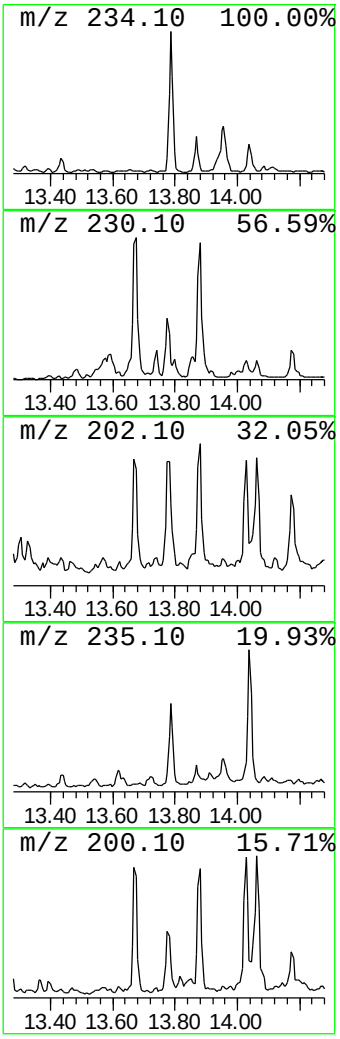
Peak Number 15 Anthra(1,2-b)thiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.78	2.70 ng	768764	Chrysene-d12	14.04

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[1,2-d]thiophene	234	C16H10S	000205-43-6	78
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	58
5	2-Amino-6-t-butyl-3-cyano-4,5,6,...	234	C13H18N2S	042159-76-2	43





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Misc :
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Instrument : BNA_F
ClientSampleId : OR-02-011720

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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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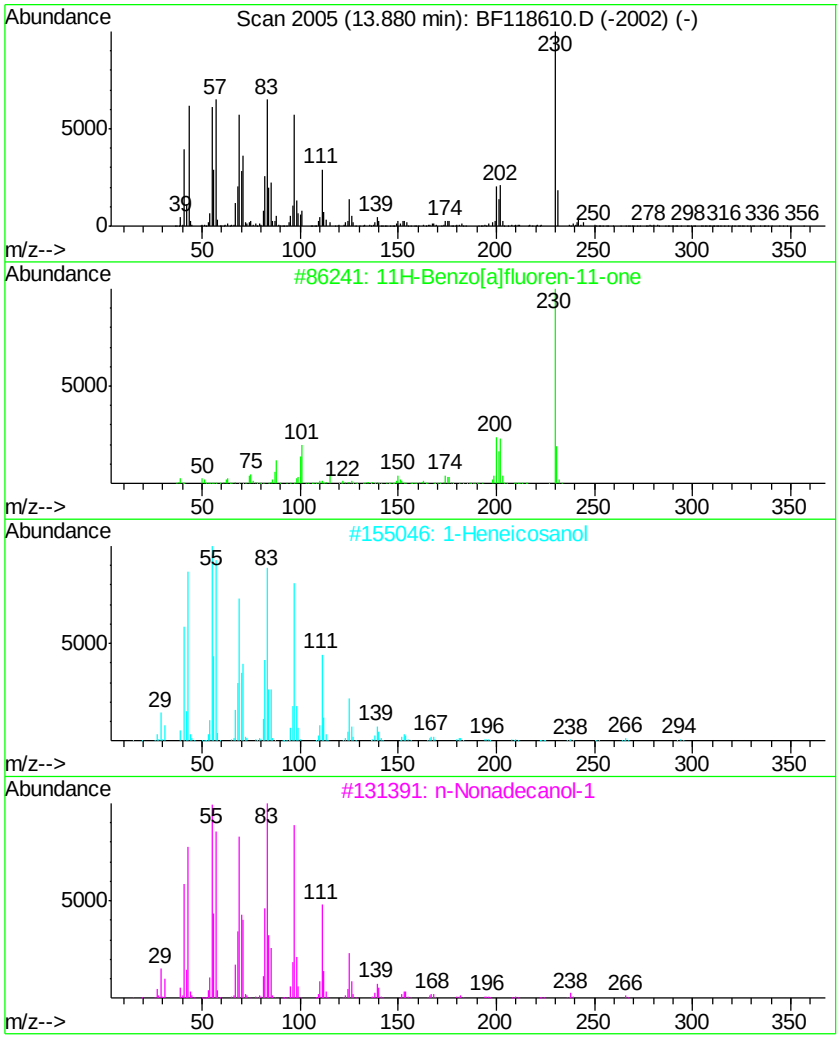
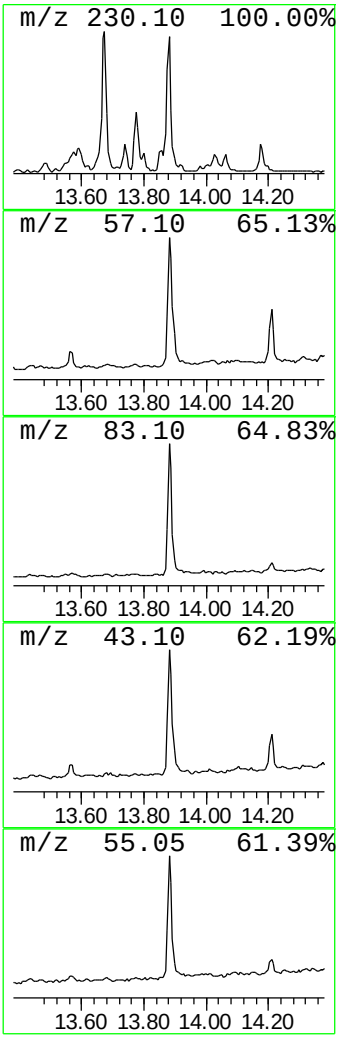
Peak Number 16 11H-Benzo[a]fluoren-11-one Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.88	6.52 ng	1858500	Chrysene-d12	14.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	90
2	1-Heneicosanol	312	C21H44O	015594-90-8	87
3	n-Nonadecanol-1	284	C19H40O	001454-84-8	84
4	Behenic alcohol	326	C22H46O	000661-19-8	64
5	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	64





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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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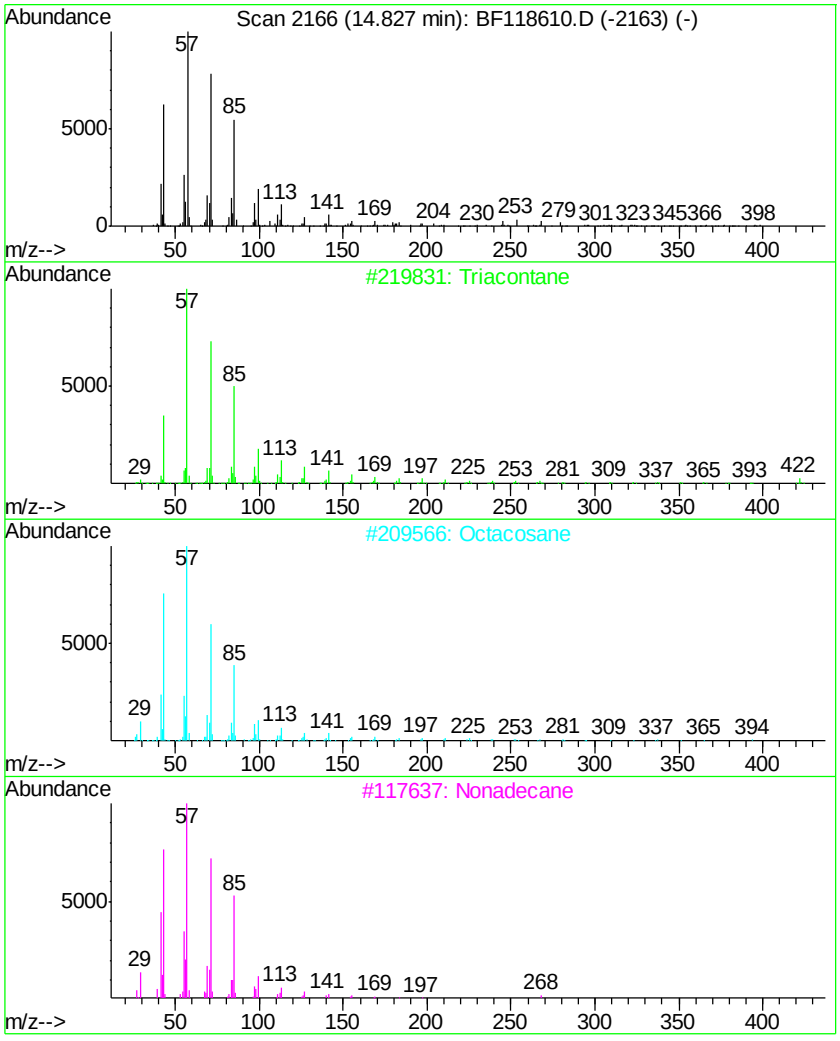
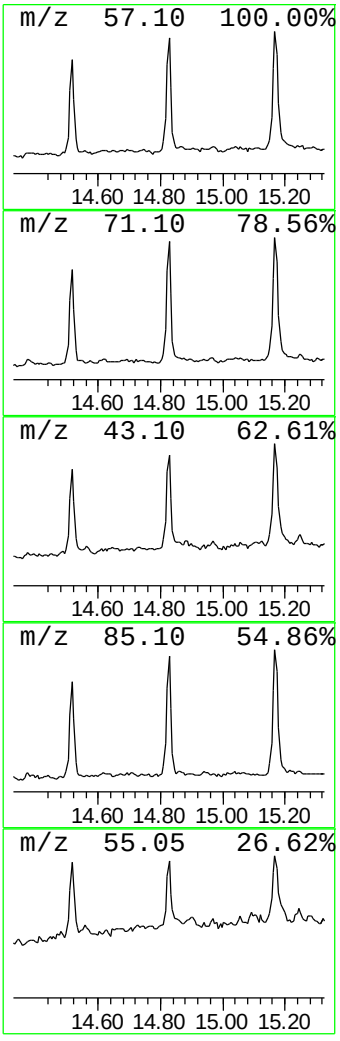
Peak Number 17 Triacontane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.83	3.36 ng	432504	Perylene-d12	15.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triacontane	422	C30H62	000638-68-6	90
2	Octacosane	394	C28H58	000630-02-4	90
3	Nonadecane	268	C19H40	000629-92-5	87
4	Hexadecane	226	C16H34	000544-76-3	86
5	Heptadecane	240	C17H36	000629-78-7	86





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Instrument : BNA_F
ClientSampleId : OR-02-011720

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

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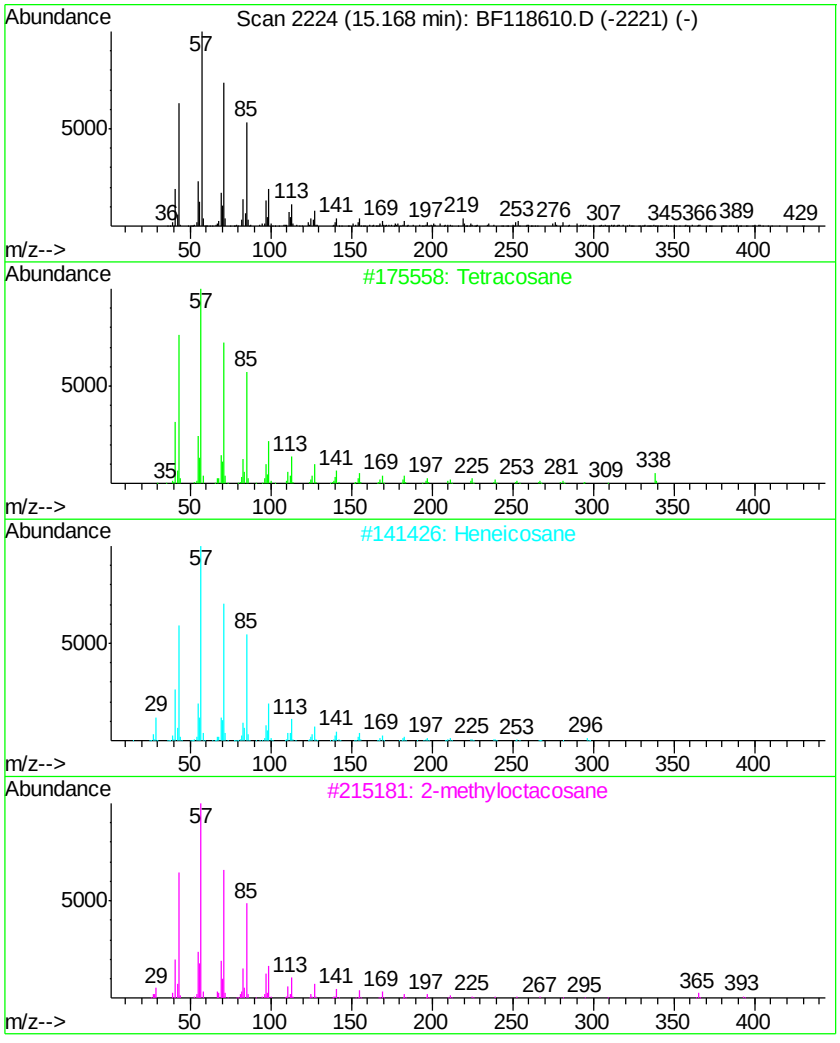
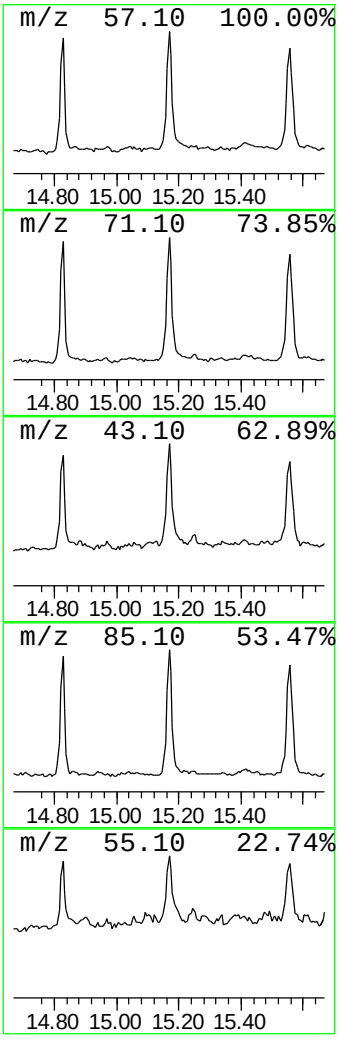
Peak Number 18 Tetracosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.17	11.53 ng	1483990	Perylene-d12	15.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	97
2	Heneicosane	296	C21H44	000629-94-7	91
3	2-methyloctacosane	408	C29H60	1000376-72-8	91
4	Hexacosane	366	C26H54	000630-01-3	90
5	Octacosane	394	C28H58	000630-02-4	87





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Instrument : BNA_F
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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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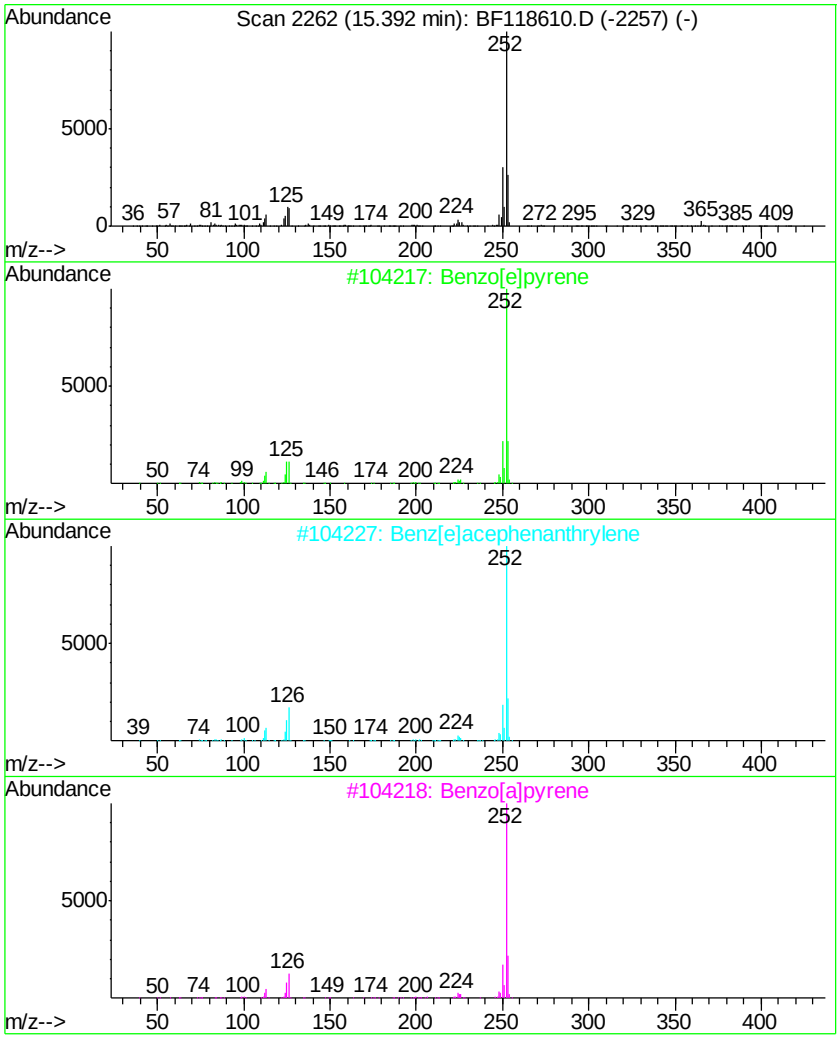
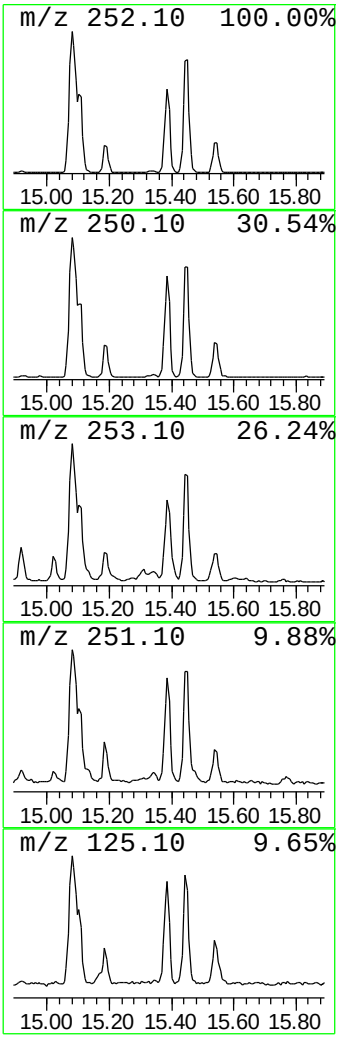
Peak Number 19 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.39	10.74 ng	1381770	Perylene-d12	15.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
3	Benzo[a]pyrene	252	C20H12	000050-32-8	95
4	Perylene	252	C20H12	000198-55-0	90
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
Data File : BF118610.D
Acq On : 21 Jan 2020 00:07
Operator : CG/JU
Sample : L1014-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-011720

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

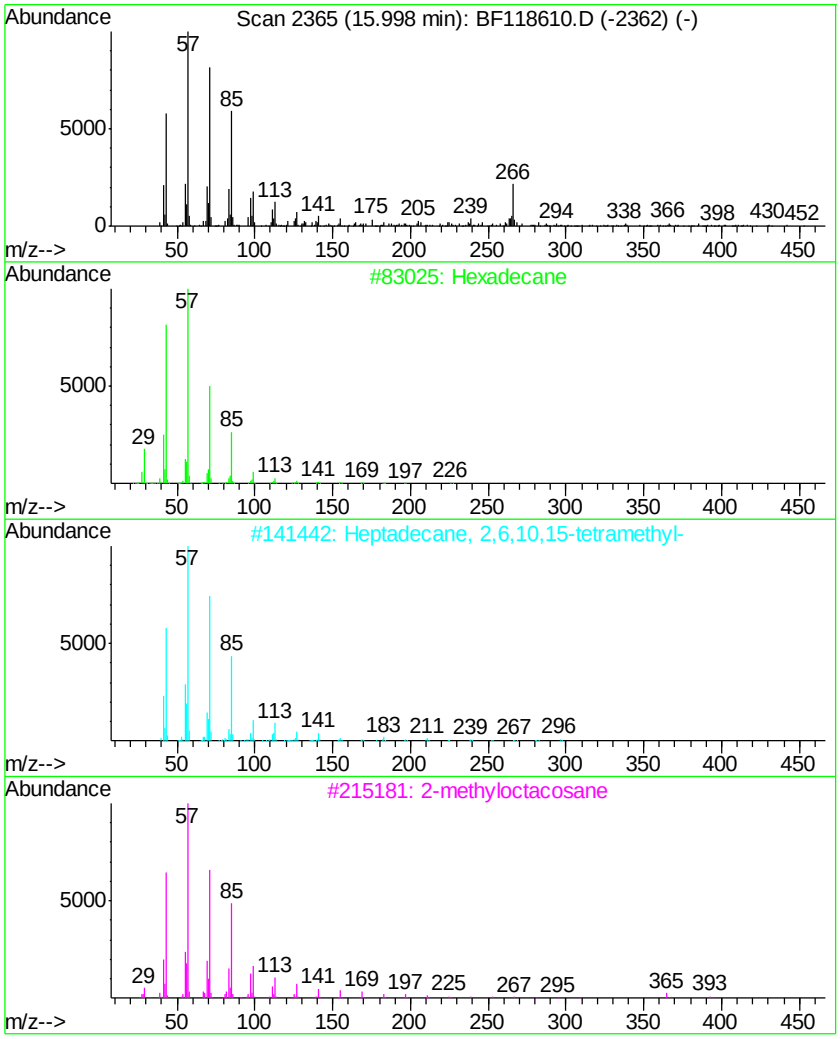
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

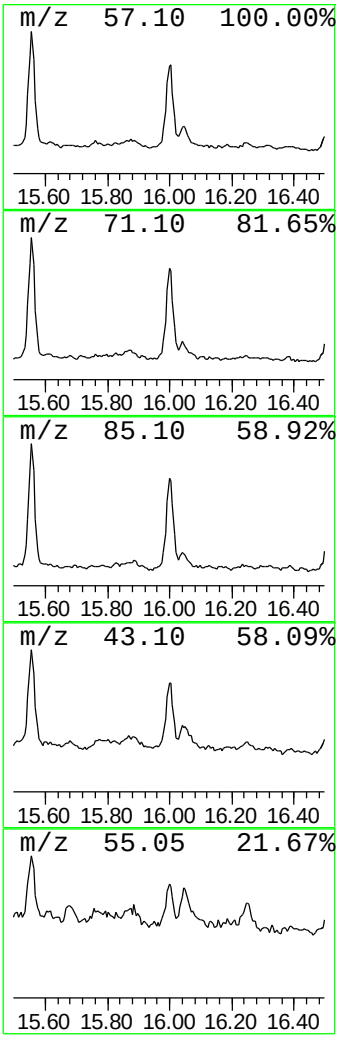
****

Peak Number 20 Hexadecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.00	4.05 ng	521670	Perylene-d12	15.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	86
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	86
3	2-methyloctacosane	408	C29H60	1000376-72-8	74
4	Tetracosane, 11-decyl-	479	C34H70	055429-84-0	74
5	2-methyltetracosane	352	C25H52	1000376-72-6	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF012020\
Data File : BF118610.D
Acq On : 21 Jan 2020 00:07
Operator : CG/JU
Sample : L1014-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-011720

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.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...	2.20	21.7	ng	3194990	1	6.88	2949210	20.0
2-Pentanone, 4-hy...	5.10	14.4	ng	2129820	1	6.88	2949210	20.0
unknown6.65	6.65	68.4	ng	10087000	1	6.88	2949210	20.0
Phenanthrene, 2-m...	11.90	4.1	ng	595157	4	11.40	2910920	20.0
Anthracene, 2-met...	11.93	9.1	ng	1324820	4	11.40	2910920	20.0
Benzaldehyde, 3,5...	12.02	7.3	ng	1063650	4	11.40	2910920	20.0
Naphthalene, 2-ph...	12.20	3.5	ng	506202	4	11.40	2910920	20.0
Phenanthrene, 2,5...	12.45	4.3	ng	621930	4	11.40	2910920	20.0
Phenanthrene, 1,7...	12.49	3.1	ng	457364	4	11.40	2910920	20.0
Cyclopenta(def)ph...	12.53	2.7	ng	388814	4	11.40	2910920	20.0
Pyrene, 1-methyl-	13.06	2.4	ng	672058	5	14.04	5703970	20.0
Pyrene, 4-methyl-	13.27	2.3	ng	655474	5	14.04	5703970	20.0
Anthra(1,2-b)thio...	13.78	2.7	ng	768764	5	14.04	5703970	20.0
11H-Benzo[a]fluor...	13.88	6.5	ng	1858500	5	14.04	5703970	20.0
Triacontane	14.83	3.4	ng	432504	6	15.52	2574220	20.0
Tetracosane	15.17	11.5	ng	1483990	6	15.52	2574220	20.0
Benzo[e]pyrene	15.39	10.7	ng	1381770	6	15.52	2574220	20.0
Hexadecane	16.00	4.0	ng	521670	6	15.52	2574220	20.0