LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013020\
Data File : BF118763.D
Acq On : 30 Jan 2020 20:41
Operator : CG/JU
Sample : L1296-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-51

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	5.457	568	573	577	rBV	4932483	5214168	47.84%	3.660%
2	6.469	739	745	757	rVB	5057735	5397451	49.52%	3.789%
3	6.839	804	808	811	rBV	1771381	1426689	13.09%	1.001%
4	6.998	831	835	838	rVB	5424502	4719918	43.31%	3.313%
5	7.398	898	903	906	rBV	3887976	3540647	32.49%	2.485%
6	8.122	1022	1026	1029	rBV	2271035	1901286	17.44%	1.335%
7	9.198	1204	1209	1212	rBV	7742400	7361420	67.54%	5.167%
8	9.586	1272	1275	1284	rVB	867066	775151	7.11%	0.544%
9	9.733	1297	1300	1306	rBV	287923	270726	2.48%	0.190%
10	9.875	1318	1324	1327	rBV	2575438	2391997	21.95%	1.679%
11	9.910	1327	1330	1333	rVB	236206	213665	1.96%	0.150%
12	10.080	1355	1359	1362	rBV	209802	193334	1.77%	0.136%
13	10.422	1414	1417	1423	rVB	216860	215874	1.98%	0.152%
14	10.663	1453	1458	1462	rBV	5141044	5056415	46.39%	3.549%
15	10.786	1476	1479	1487	rBV2	284604	310254	2.85%	0.218%
16	11.033	1517	1521	1527	rBV	840839	733233	6.73%	0.515%
17	11.163	1540	1543	1549	rVB	809310	776078	7.12%	0.545%
18	11.233	1553	1555	1557	rVV2	156936	124251	1.14%	0.087%
19	11.257	1557	1559	1565	rVB2	217921	273859	2.51%	0.192%
20	11.310	1565	1568	1572	rBV3	106230	136432	1.25%	0.096%
21	11.363	1573	1577	1579	rBV	2657874	2500547	22.94%	1.755%
22	11.386	1579	1581	1584	rVV	3236271	2480847	22.76%	1.741%
23	11.433	1585	1589	1592	rVB	577105	553835	5.08%	0.389%
24	11.469	1592	1595	1599	rBV2	179019	182519	1.67%	0.128%
25	11.586	1610	1615	1618	rBV2	426449	486023	4.46%	0.341%
26	11.657	1625	1627	1630	rVV	175343	150761	1.38%	0.106%
27	11.863	1659	1662	1664	rBV	587160	533473	4.89%	0.374%
28	11.921	1664	1672	1678	rVV2	6716665	10899218	100.00%	7.650%
29	11.974	1678	1681	1684	rVV2	990788	1134310	10.41%	0.796%
30	11.998	1684	1685	1690	rVB	453981	261483	2.40%	0.184%
31	12.069	1694	1697	1700	rBV2	219735	192611	1.77%	0.135%
32	12.157	1709	1712	1714	rBV	394915	366173	3.36%	0.257%
33	12.180	1714	1716	1722	rVB2	594386	522337	4.79%	0.367%
34	12.310	1732	1738	1741	rBV3	229238	359576	3.30%	0.252%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013020\
Data File : BF118763.D
Acq On : 30 Jan 2020 20:41
Operator : CG/JU
Sample : L1296-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-51

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	12.339	1741	1743	1745	rBV	168803	128440	1.18%	0.090%
36	12.363	1745	1747	1750	rVB2	164491	130211	1.19%	0.091%
37	12.416	1752	1756	1759	rBV	575591	558620	5.13%	0.392%
38	12.451	1759	1762	1765	rBV3	303551	408130	3.74%	0.286%
39	12.498	1767	1770	1775	rVB3	361579	445566	4.09%	0.313%
40	12.580	1779	1784	1787	rBV	6844308	6774888	62.16%	4.755%
41	12.604	1787	1788	1790	rBV2	305045	218617	2.01%	0.153%
42	12.686	1797	1802	1807	rBV3	1881470	2147280	19.70%	1.507%
43	12.727	1807	1809	1813	rVB	218673	215560	1.98%	0.151%
44	12.810	1816	1823	1826	rBV	5682045	6533954	59.95%	4.586%
45	12.851	1828	1830	1835	rVB2	257787	376685	3.46%	0.264%
46	12.921	1839	1842	1843	rBV	332383	276987	2.54%	0.194%
47	12.951	1843	1847	1850	rVV	7884646	7679427	70.46%	5.390%
48	13.021	1854	1859	1862	rBV2	471409	726676	6.67%	0.510%
49	13.051	1862	1864	1867	rVB2	184961	156320	1.43%	0.110%
50	13.110	1871	1874	1875	rBV3	326815	318649	2.92%	0.224%
51	13.133	1875	1878	1881	rVB	890048	866279	7.95%	0.608%
52	13.163	1881	1883	1885	rBV2	106901	119924	1.10%	0.084%
53	13.198	1885	1889	1892	rBV2	575016	563101	5.17%	0.395%
54	13.239	1892	1896	1898	rBV2	617240	676625	6.21%	0.475%
55	13.263	1898	1900	1903	rVB	192674	175905	1.61%	0.123%
56	13.292	1903	1905	1908	rBV2	126658	129302	1.19%	0.091%
57	13.327	1908	1911	1914	rVB	445776	376772	3.46%	0.264%
58	13.357	1914	1916	1920	rBV	368185	344376	3.16%	0.242%
59	13.404	1920	1924	1927	rBV2	462672	499313	4.58%	0.350%
60	13.527	1939	1945	1948	rBV6	245813	513153	4.71%	0.360%
61	13.639	1961	1964	1969	rVB	512325	577085	5.29%	0.405%
62	13.751	1978	1983	1986	rBV2	623454	877502	8.05%	0.616%
63	13.780	1986	1988	1990	rVV	516464	439863	4.04%	0.309%
64	13.804	1990	1992	1996	rVV2	534002	645680	5.92%	0.453%
65	13.845	1996	1999	2005	rVB3	1487390	1631052	14.96%	1.145%
66	13.998	2018	2025	2028	rBV3	3828263	6038402	55.40%	4.238%
67	14.027	2028	2030	2035	rVB	2860740	2940527	26.98%	2.064%
68	14.110	2042	2044	2048	rVB	555622	387316	3.55%	0.272%
69	14.168	2052	2054	2060	rVB4	318386	535041	4.91%	0.376%
70	14.221	2060	2063	2067	rBV2	375827	424798	3.90%	0.298%
71	14.257	2067	2069	2072	rVB2	162354	127884	1.17%	0.090%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013020\
Data File : BF118763.D
Acq On : 30 Jan 2020 20:41
Operator : CG/JU
Sample : L1296-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-51

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	14.351	2083	2085	2087	rBV2	162452	149066	1.37%	0.105%
73	14.386	2087	2091	2094	rVV	663667	836796	7.68%	0.587%
74	14.421	2094	2097	2101	rVV2	518328	520966	4.78%	0.366%
75	14.480	2104	2107	2110	rVV3	921930	1034789	9.49%	0.726%
76	14.515	2110	2113	2114	rVV	458345	488712	4.48%	0.343%
77	14.533	2114	2116	2120	rVV2	480153	473169	4.34%	0.332%
78	14.586	2120	2125	2131	rVB3	234642	421688	3.87%	0.296%
79	14.692	2140	2143	2146	rBV2	220667	301524	2.77%	0.212%
80	14.780	2155	2158	2162	rBV3	364678	478751	4.39%	0.336%
81	14.862	2169	2172	2173	rBV3	253894	259543	2.38%	0.182%
82	14.927	2180	2183	2185	rBV2	210538	222090	2.04%	0.156%
83	15.045	2197	2203	2206	rBV	3174668	5407596	49.61%	3.796%
84	15.121	2212	2216	2218	rBV2	944041	1174356	10.77%	0.824%
85	15.145	2218	2220	2226	rVB	1080443	1128198	10.35%	0.792%
86	15.345	2249	2254	2259	rVB	1952998	2685880	24.64%	1.885%
87	15.404	2259	2264	2270	rVB	2629560	3333410	30.58%	2.340%
88	15.468	2270	2275	2277	rBV	1673668	2243165	20.58%	1.575%
89	15.498	2277	2280	2287	rVB2	1118866	1498649	13.75%	1.052%
90	15.933	2350	2354	2359	rBV	980197	1455785	13.36%	1.022%
91	15.986	2359	2363	2366	rBV2	270513	385975	3.54%	0.271%
92	16.174	2391	2395	2399	rBV3	136703	227237	2.08%	0.160%
93	16.727	2484	2489	2493	rBV3	394350	835173	7.66%	0.586%
94	16.927	2516	2523	2531	rBV2	1553362	3119701	28.62%	2.190%
95	17.103	2548	2553	2558	rBV2	355344	840032	7.71%	0.590%
96	17.368	2590	2598	2609	rVB	1307245	2985293	27.39%	2.095%
97	17.515	2617	2623	2631	rBV6	566140	1358442	12.46%	0.954%
98	17.592	2632	2636	2650	rVB2	367747	957922	8.79%	0.672%

Sum of corrected areas: 142466379

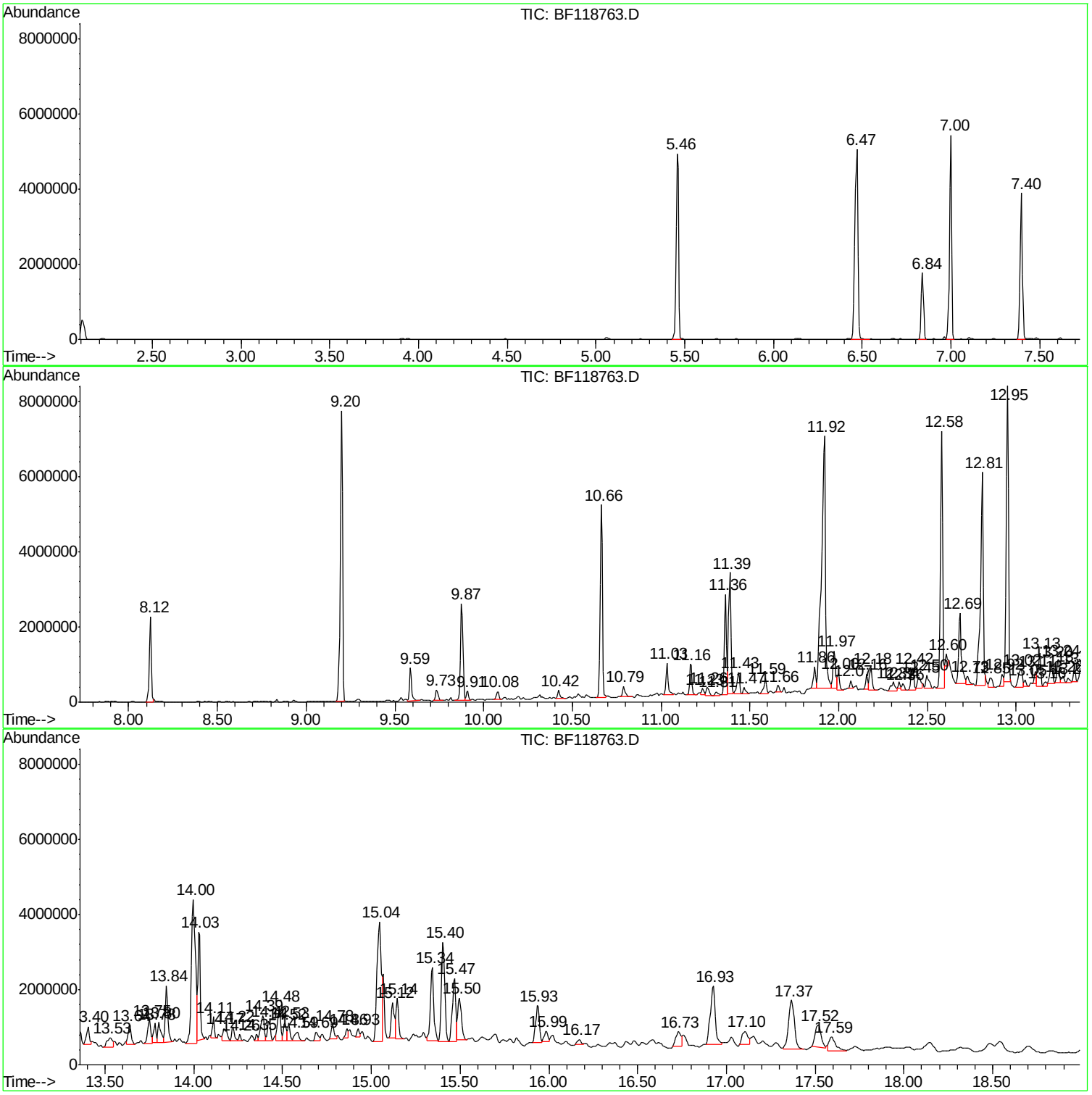
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013020\
Data File : BF118763.D
Acq On : 30 Jan 2020 20:41
Operator : CG/JU
Sample : L1296-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-51

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013020\
Data File : BF118763.D
Acq On : 30 Jan 2020 20:41
Operator : CG/JU
Sample : L1296-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-51

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

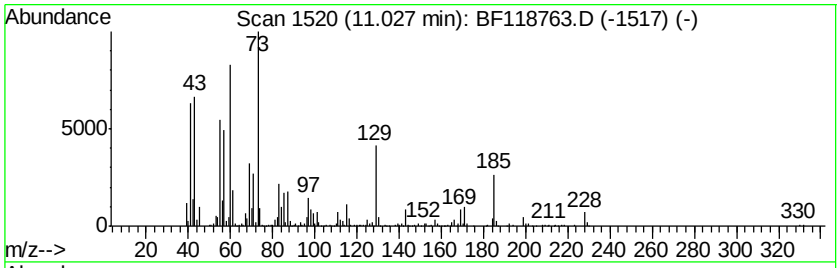
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

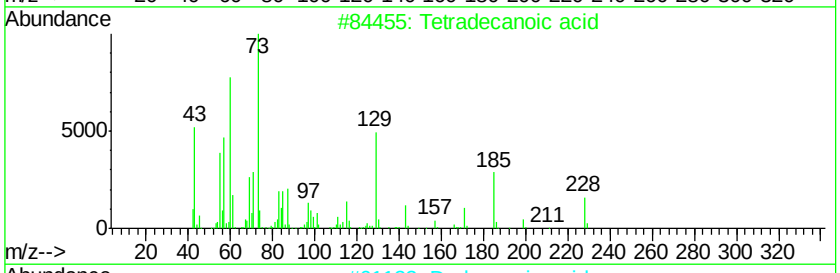
****

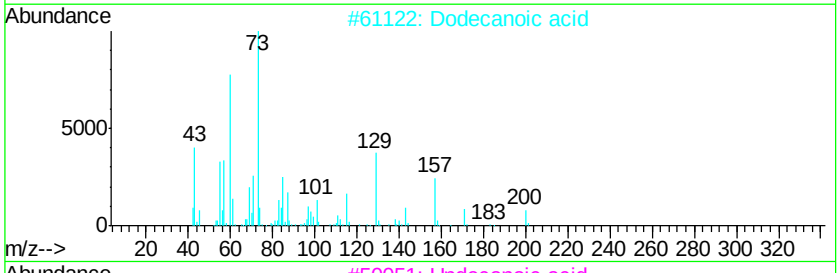
Peak Number 2 Tetradecanoic acid Concentration Rank 13

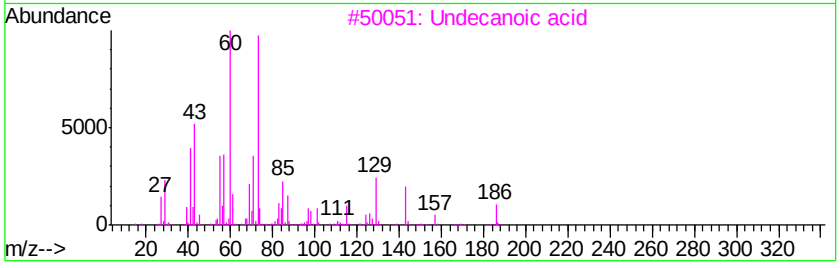
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.03	5.86 ng	733233	Phenanthrene-d10	11.36

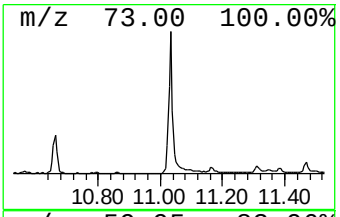
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecanoic acid	228	C14H28O2	000544-63-8	99
2	Dodecanoic acid	200	C12H24O2	000143-07-7	70
3	Undecanoic acid	186	C11H22O2	000112-37-8	64
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	64
5	n-Decanoic acid	172	C10H20O2	000334-48-5	58

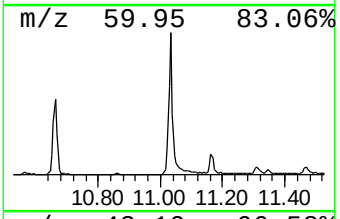


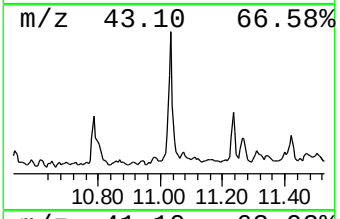


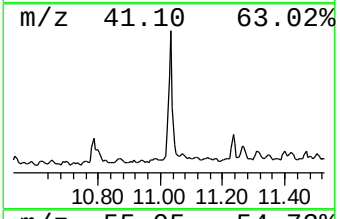


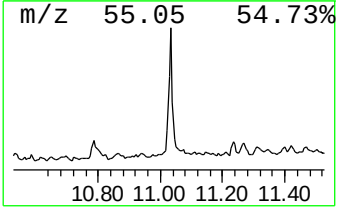












Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013020\
Data File : BF118763.D
Acq On : 30 Jan 2020 20:41
Operator : CG/JU
Sample : L1296-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-51

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

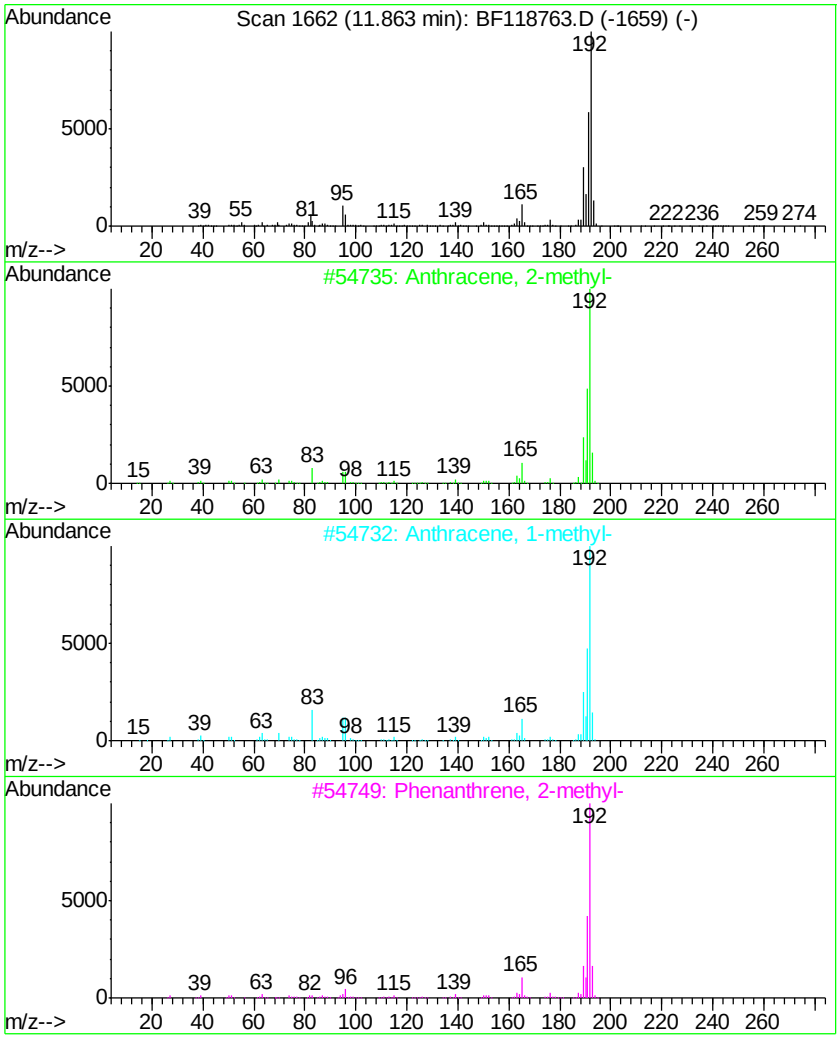
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

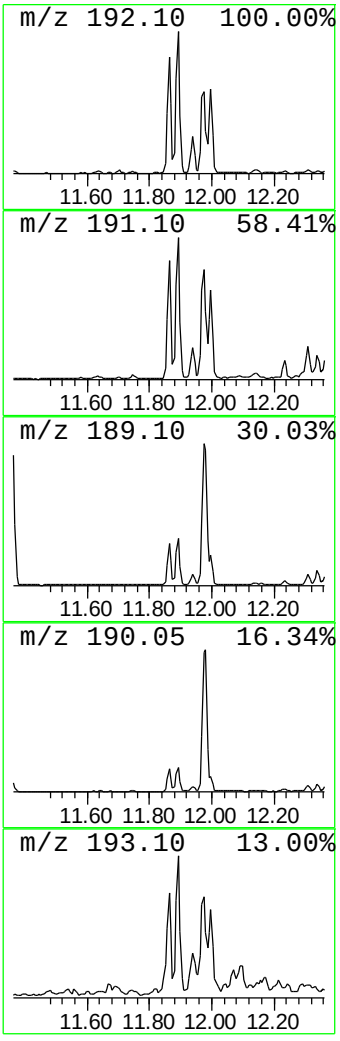
****

Peak Number 3 Anthracene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	4.27 ng	533473	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	92





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013020\
Data File : BF118763.D
Acq On : 30 Jan 2020 20:41
Operator : CG/JU
Sample : L1296-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-51

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

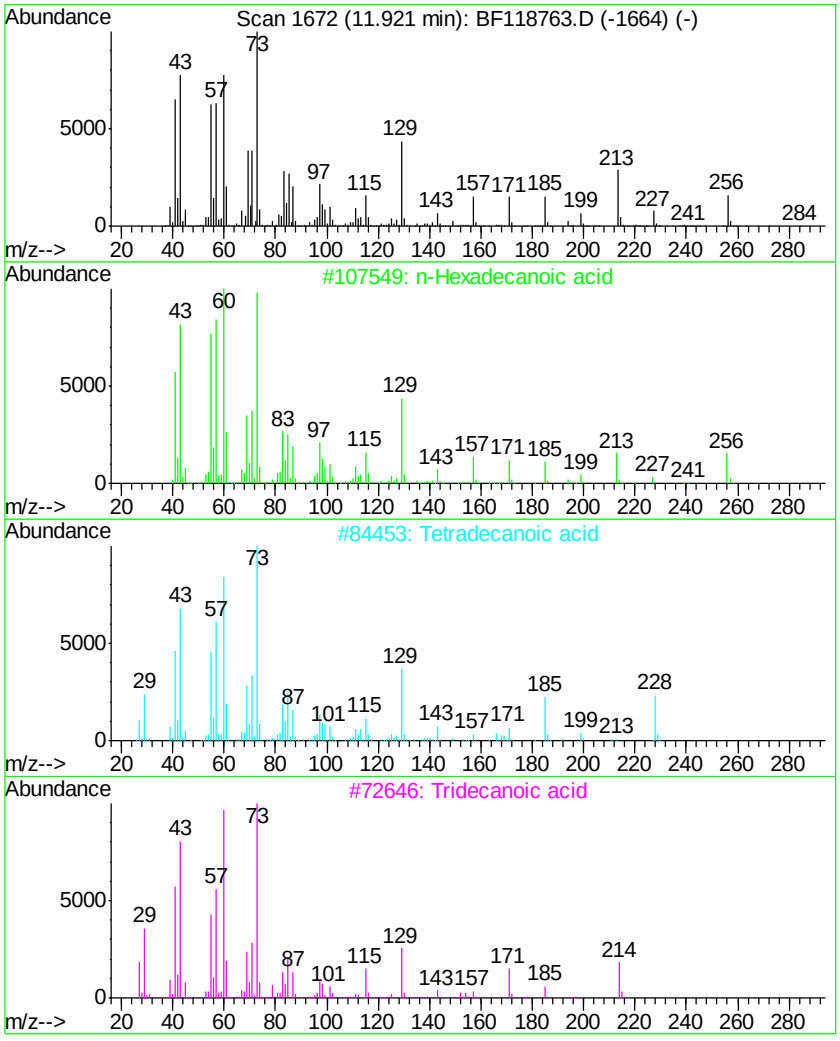
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

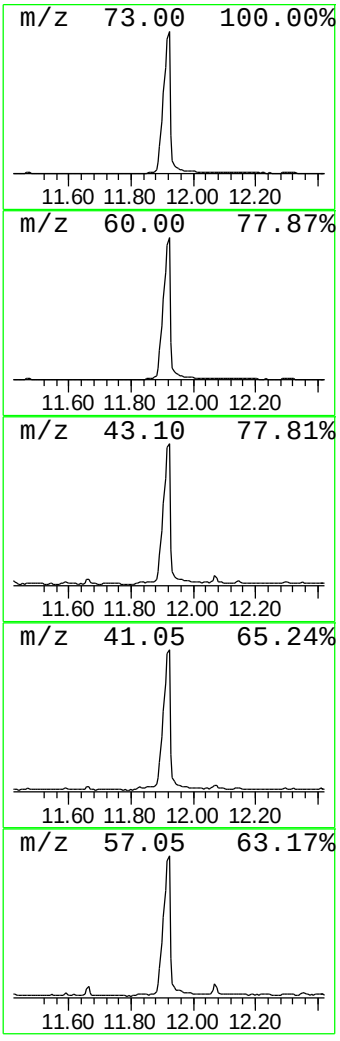
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	87.17 ng	10899200	Phenanthrene-d10	11.36

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	94
3	Tridecanoic acid	214	C13H26O2	000638-53-9	90
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
5	Undecanoic acid	186	C11H22O2	000112-37-8	83





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013020\
Data File : BF118763.D
Acq On : 30 Jan 2020 20:41
Operator : CG/JU
Sample : L1296-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-51

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

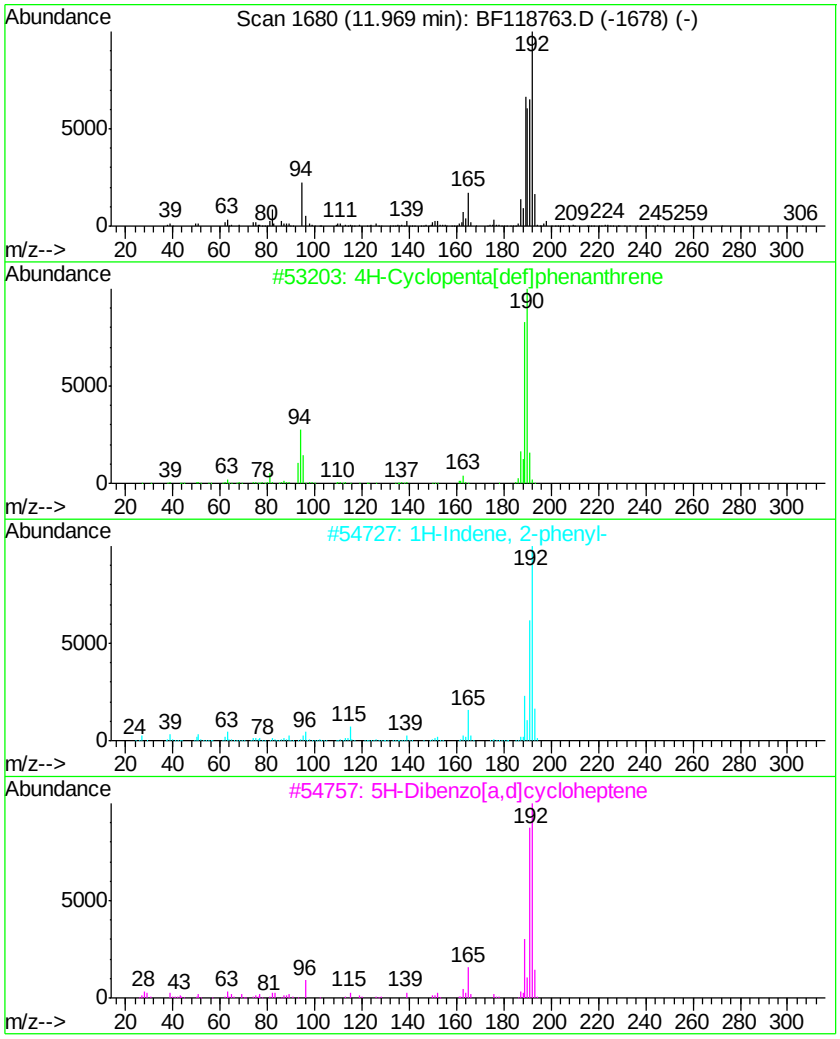
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

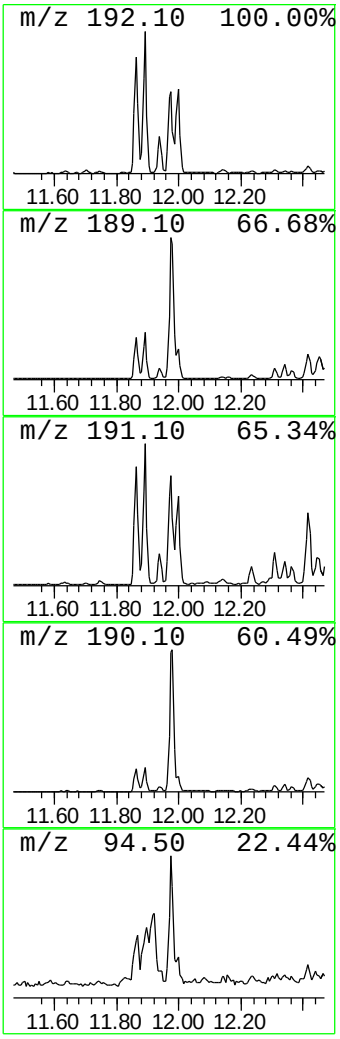
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	9.07 ng	1134310	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	30
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	25
5	1-(3-Nitro-phenyl)-pyrrolidine	192	C10H12N2O2	1000300-34-7	25





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013020\
Data File : BF118763.D
Acq On : 30 Jan 2020 20:41
Operator : CG/JU
Sample : L1296-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-51

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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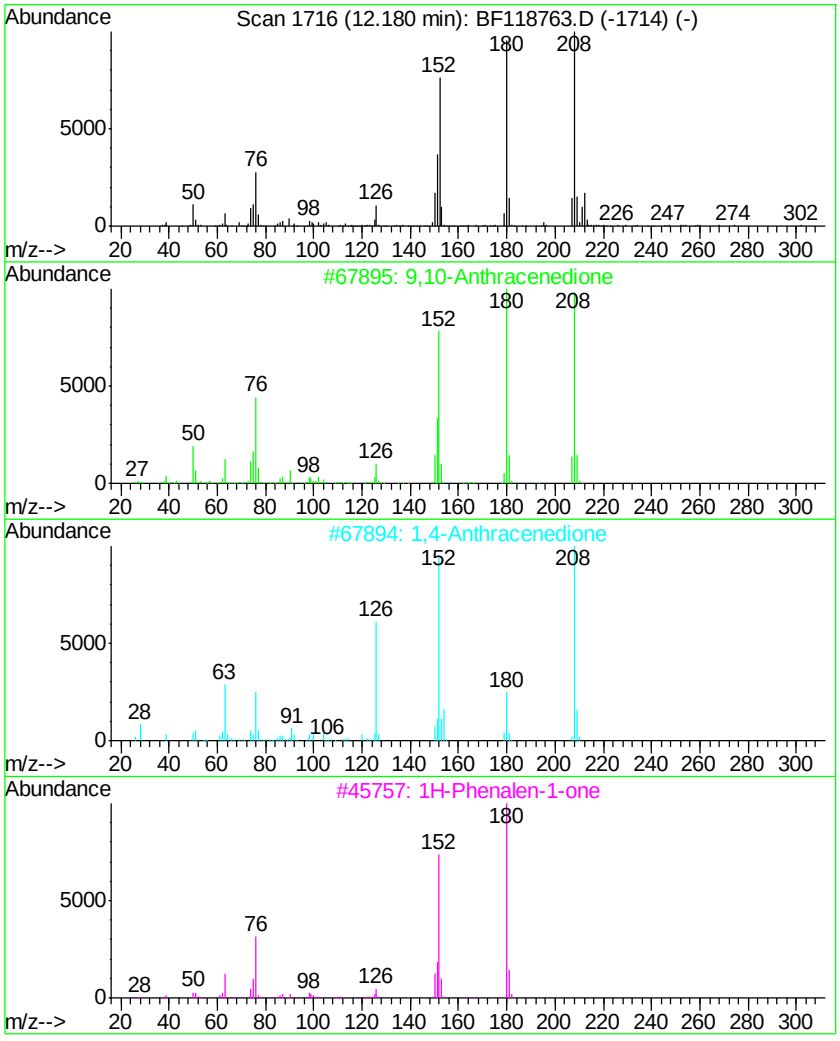
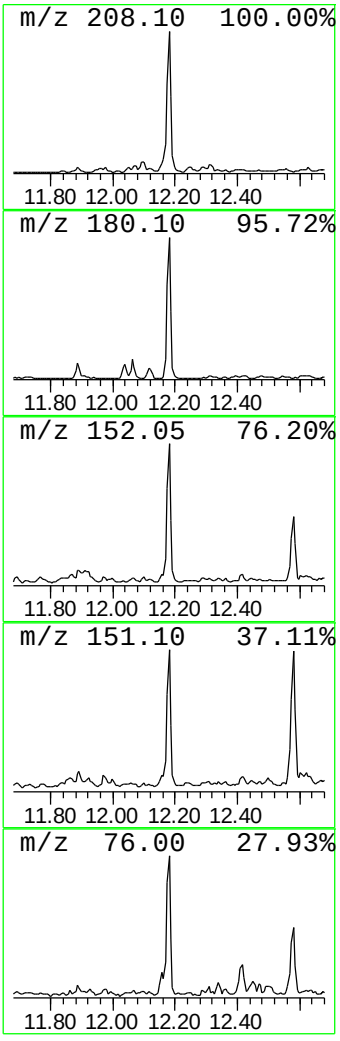
Peak Number 6 9,10-Anthracenedione Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.18	4.18 ng	522337	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
2	1,4-Anthracenedione	208	C14H8O2	000635-12-1	64
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	60
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60





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ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-51

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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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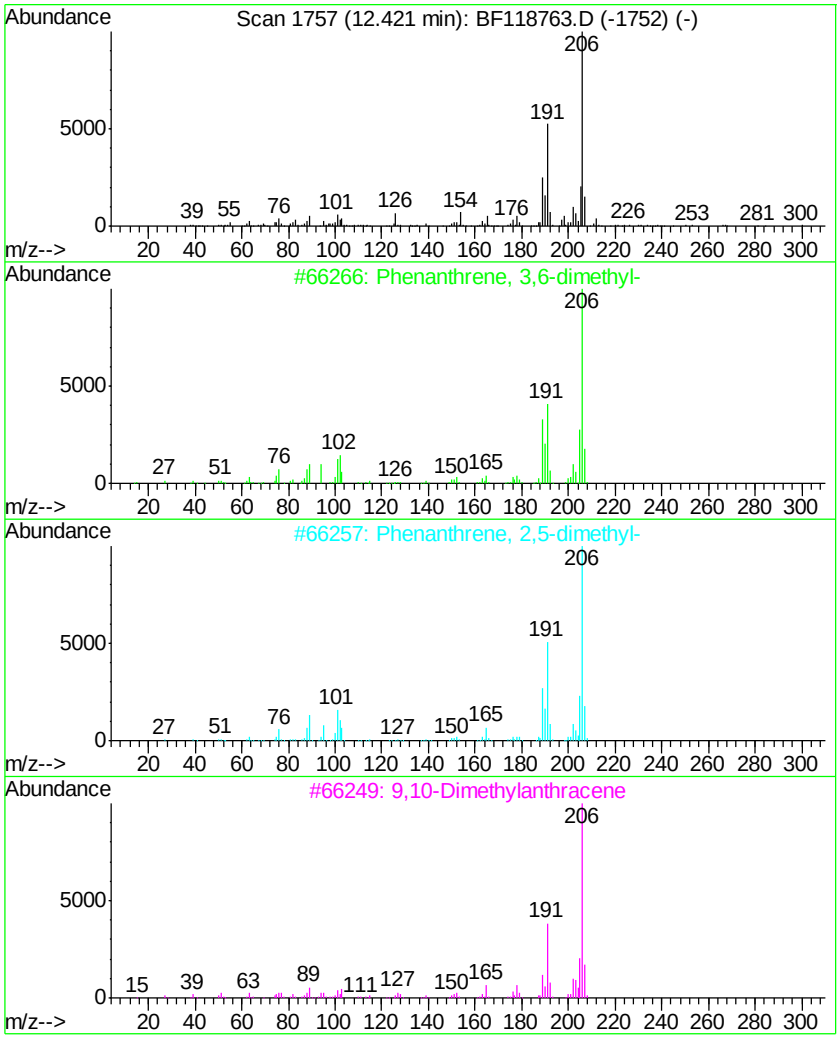
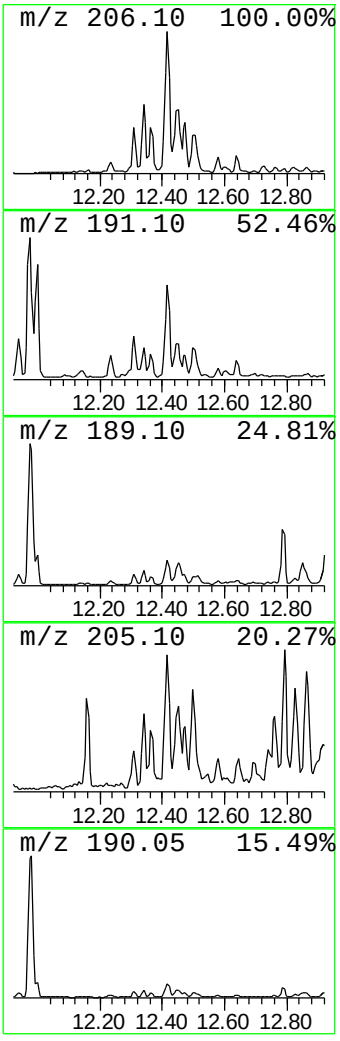
Peak Number 7 Phenanthrene, 3,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	4.47 ng	558620	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86





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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-51

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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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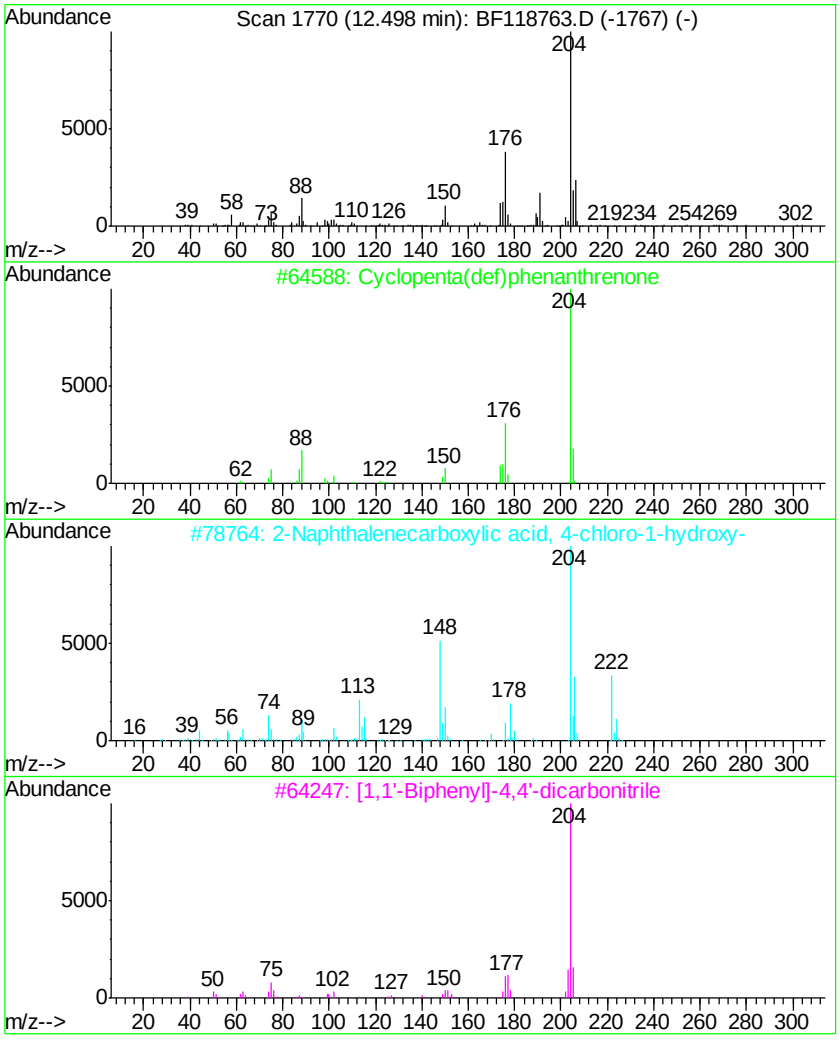
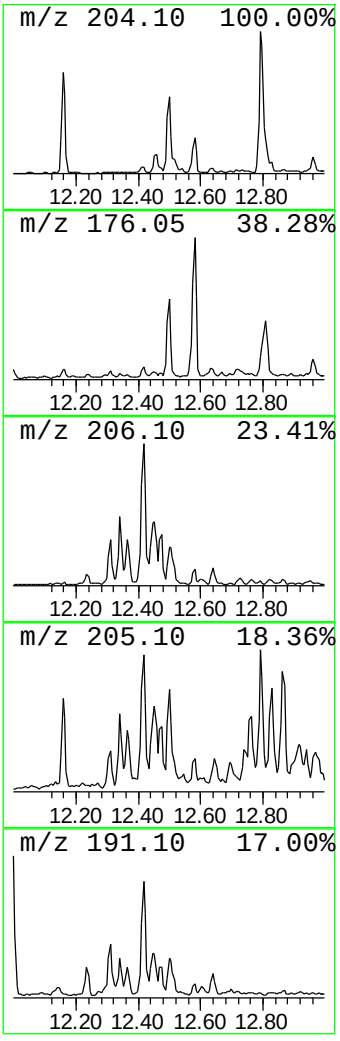
Peak Number 8 Cyclopenta(def)phenanthrenone Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	3.56 ng	445566	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2	2-Naphthalenecarboxylic acid, 4-...	222	C11H7ClO3	005409-15-4	47
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	43
4	1,2,4-Triazolo[2,3-c]thieno[3,2-...	204	C9H8N4S	113246-88-1	42
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	41





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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-51

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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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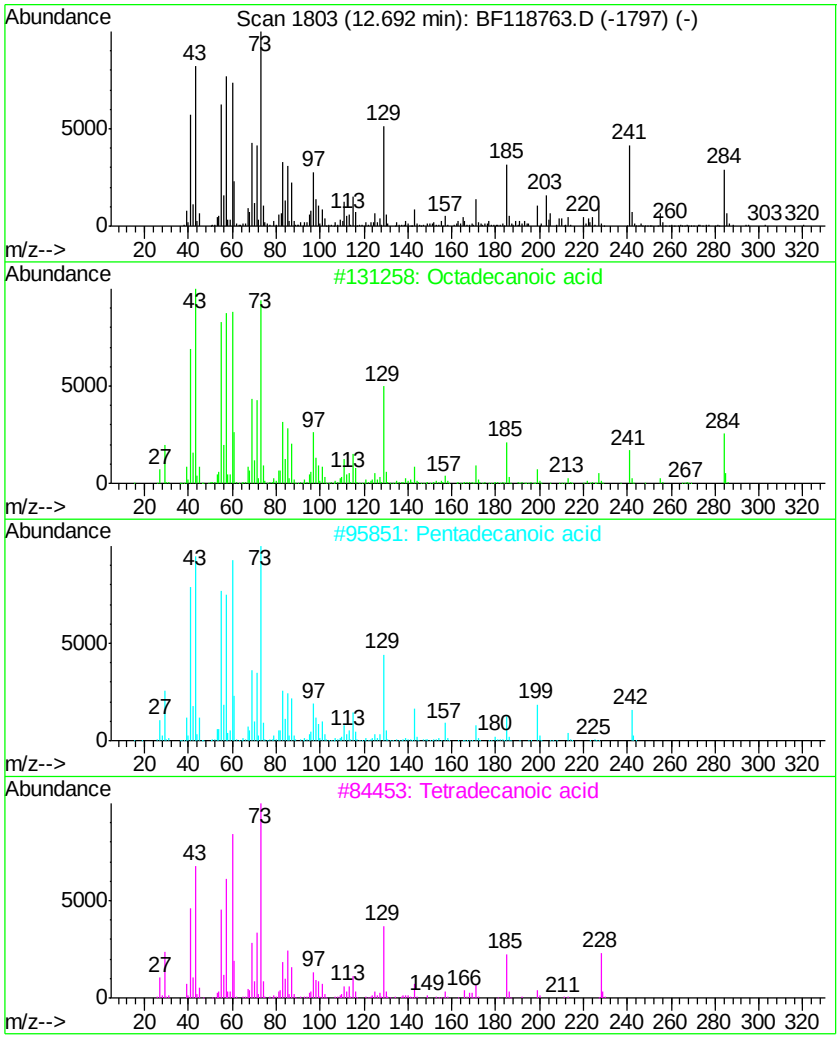
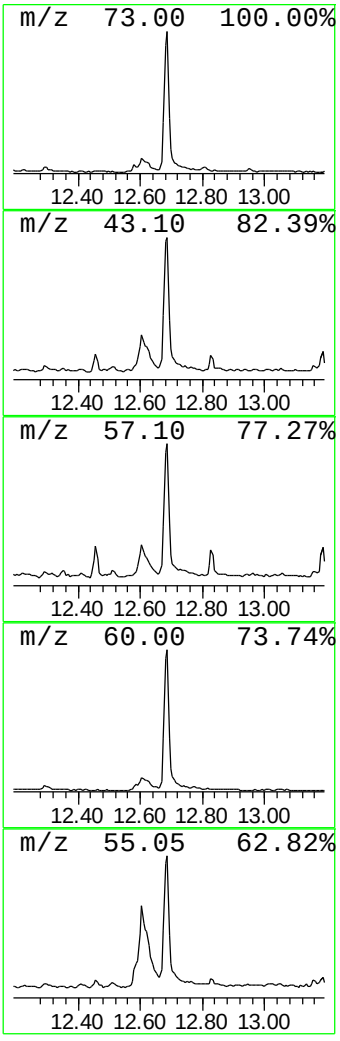
Peak Number 9 Octadecanoic acid Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.69	7.11 ng	2147280	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	74
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	74
5	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	72





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Operator : CG/JU
Sample : L1296-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-51

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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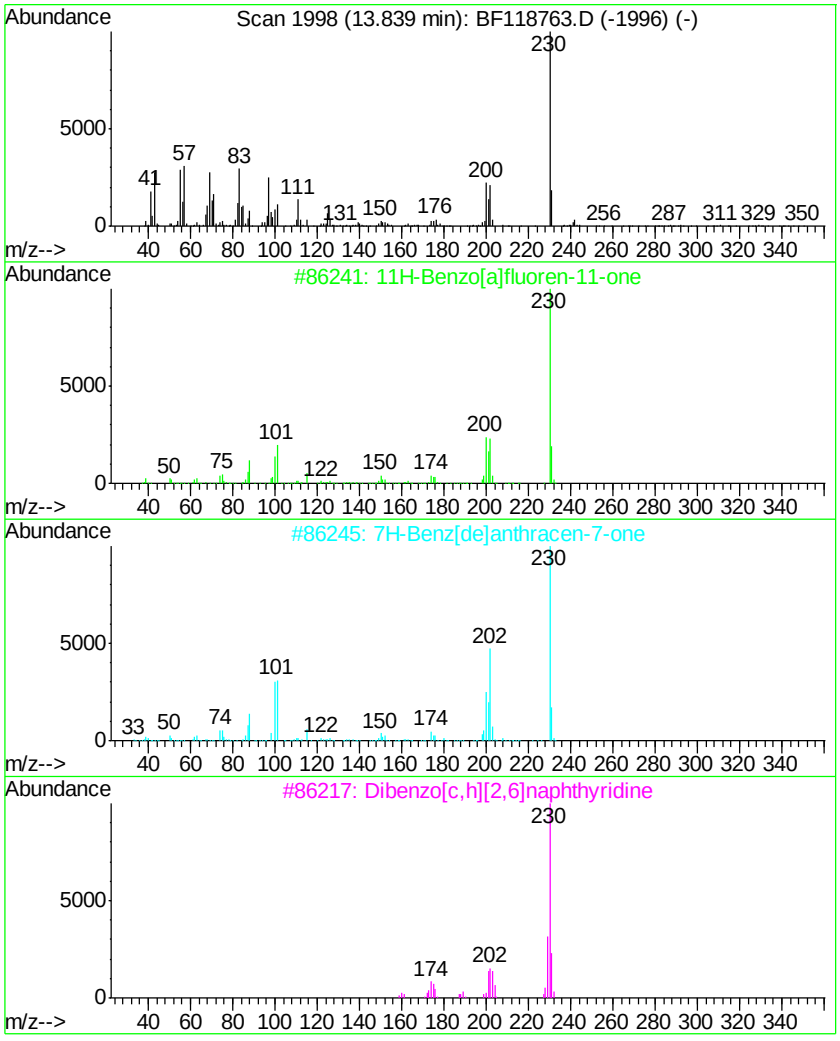
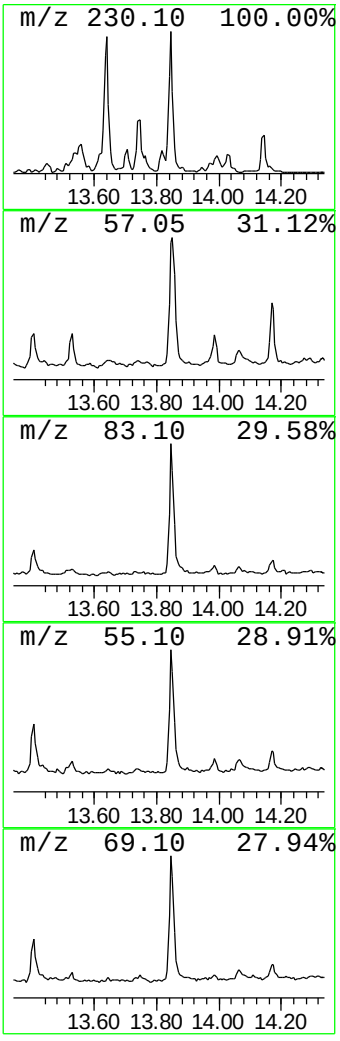
Peak Number 10 11H-Benzo[a]fluoren-11-one Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.84	5.40 ng	1631050	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	93
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	53
3	Dibenzo[c,h][2,6]naphthyridine	230	C16H10N2	000218-30-4	50
4	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	30
5	5,6-Dihydrochrysene	230	C18H14	002091-92-1	27





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Sample : L1296-01
Misc :
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Instrument : BNA_F
ClientSampleId : RBR-51

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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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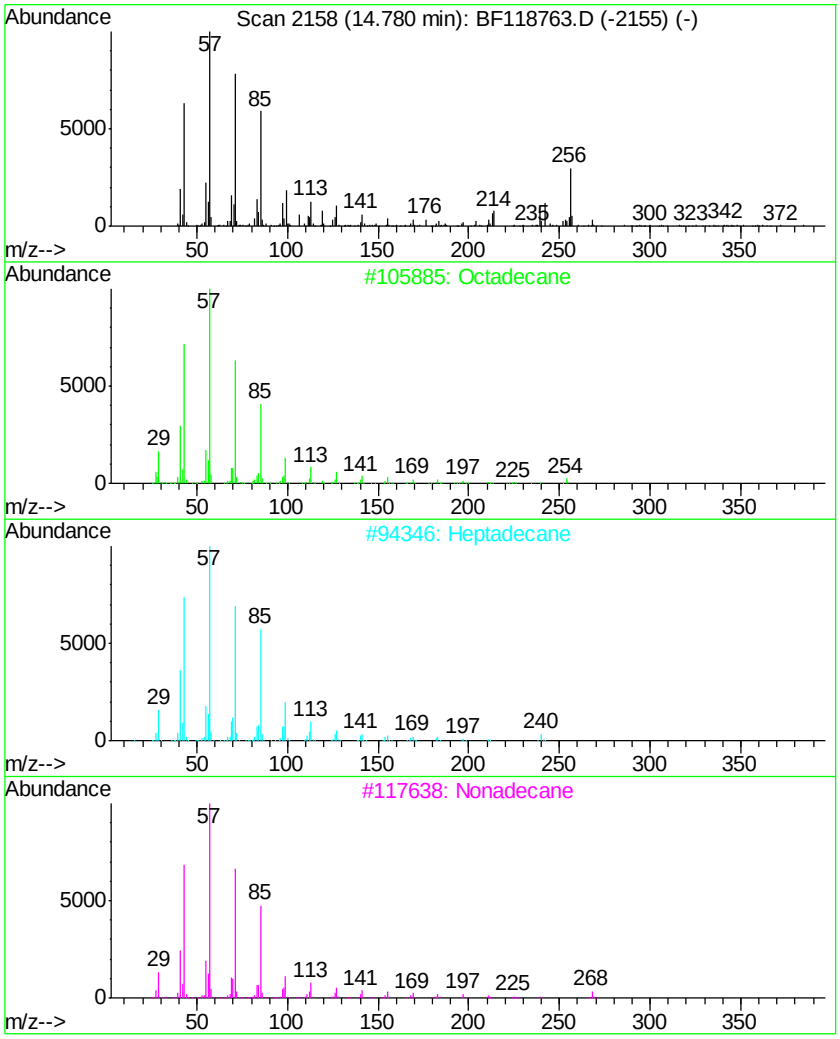
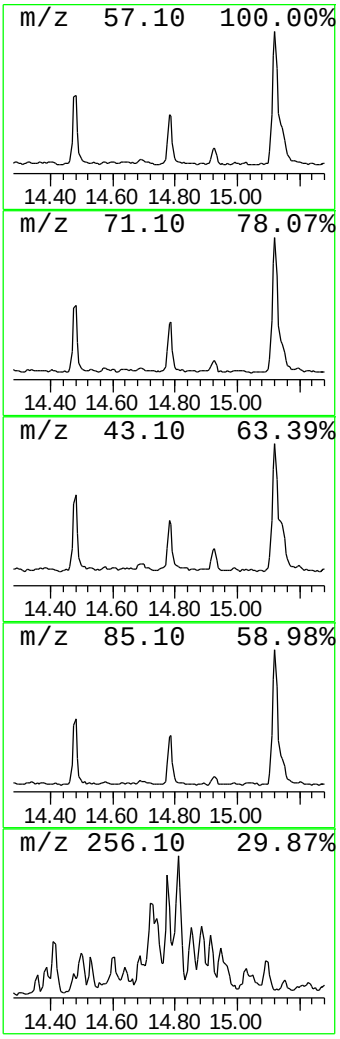
Peak Number 11 Octadecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.78	4.27 ng	478751	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	96
2	Heptadecane	240	C17H36	000629-78-7	90
3	Nonadecane	268	C19H40	000629-92-5	89
4	Heneicosane	296	C21H44	000629-94-7	81
5	2-methyloctacosane	408	C29H60	1000376-72-8	81





Library Search Compound Report

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Sample : L1296-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-51

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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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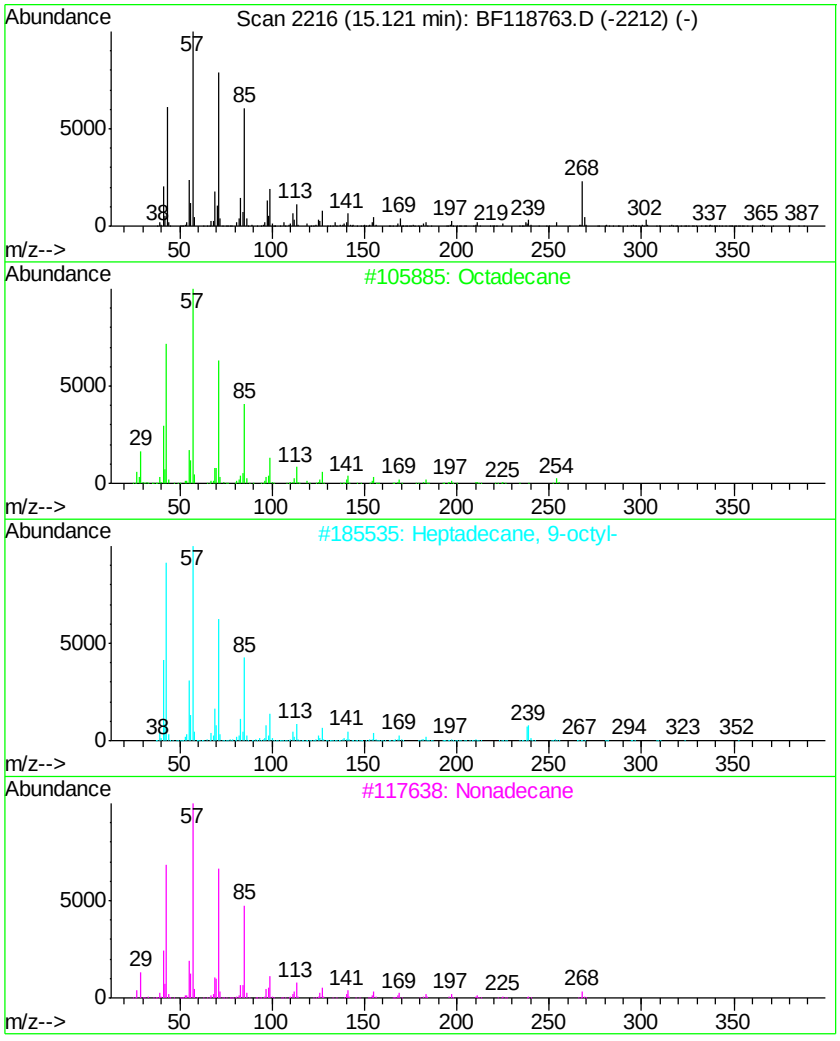
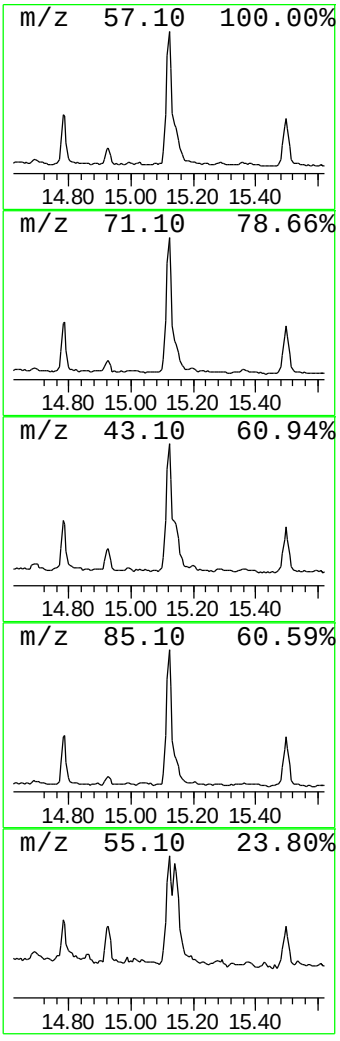
Peak Number 12 Heptadecane, 9-octyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.12	10.47 ng	1174360	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	95
2	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	93
3	Nonadecane	268	C19H40	000629-92-5	93
4	Heptadecane	240	C17H36	000629-78-7	90
5	Heneicosane	296	C21H44	000629-94-7	87





Library Search Compound Report

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Sample : L1296-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-51

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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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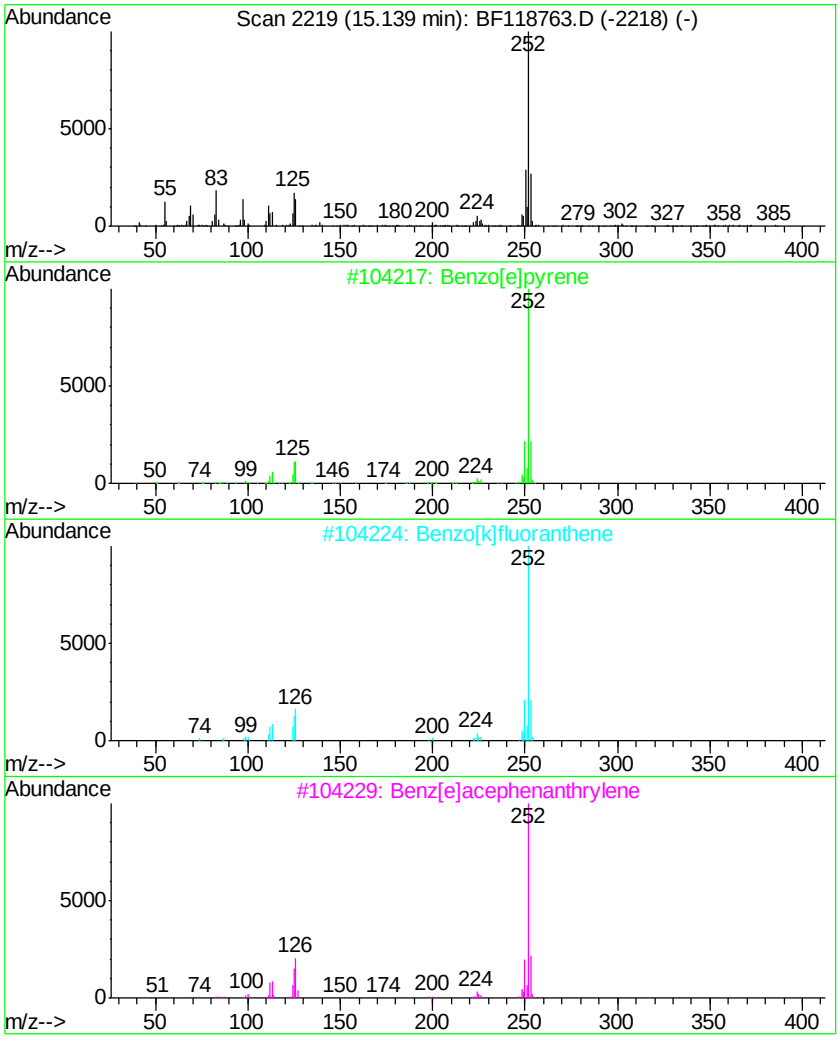
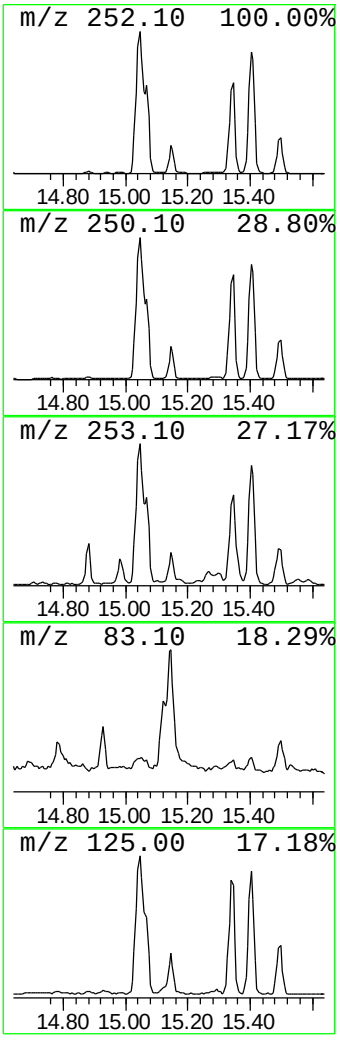
Peak Number 13 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.14	10.06 ng	1128200	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
4	Benzo[a]pyrene	252	C20H12	000050-32-8	94
5	Perylene	252	C20H12	000198-55-0	86





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Misc :
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Instrument : BNA_F
ClientSampleId : RBR-51

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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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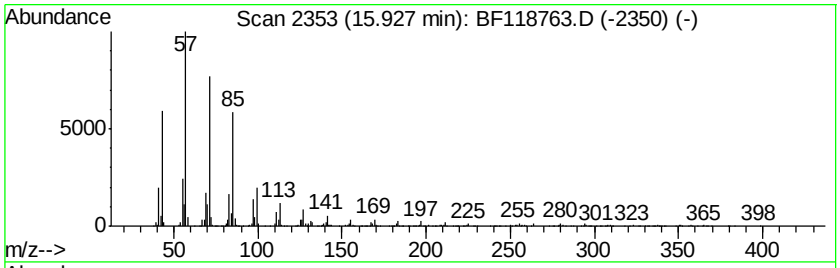
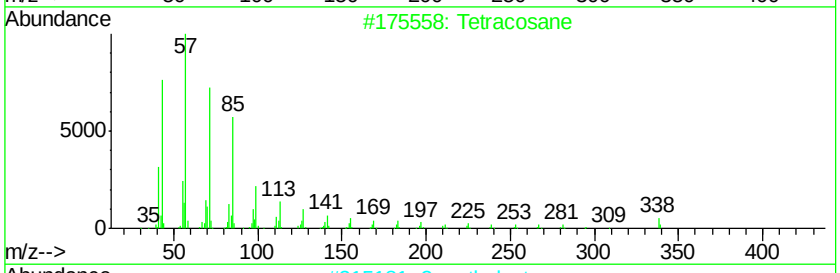
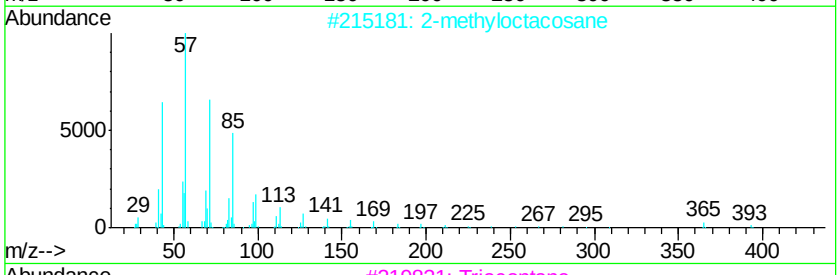
Peak Number 15 Tetracosane Concentration Rank 4

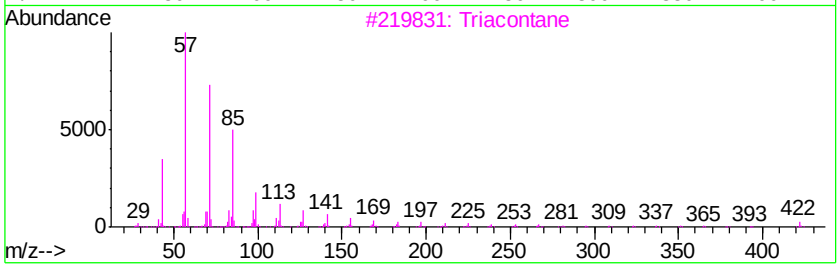
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.93	12.98 ng	1455790	Perylene-d12	15.47

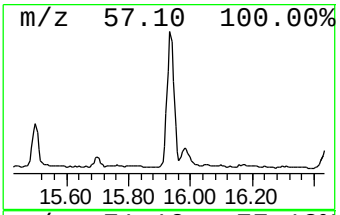
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	98
2	2-methyloctacosane	408	C29H60	1000376-72-8	91
3	Triacontane	422	C30H62	000638-68-6	91
4	Heneicosane	296	C21H44	000629-94-7	91
5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91

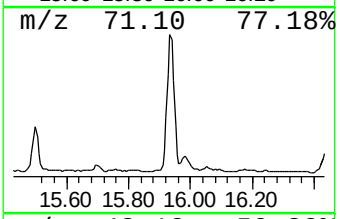


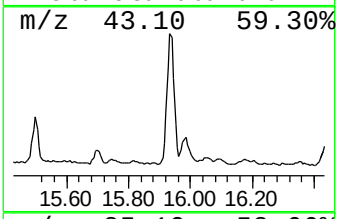


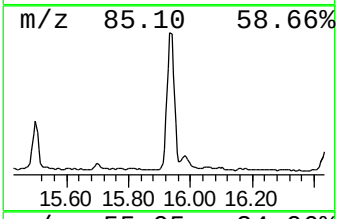


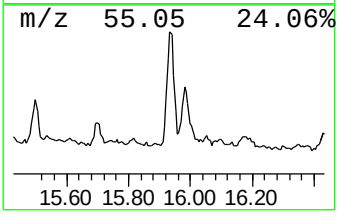












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Acq On : 30 Jan 2020 20:41
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Sample : L1296-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-51

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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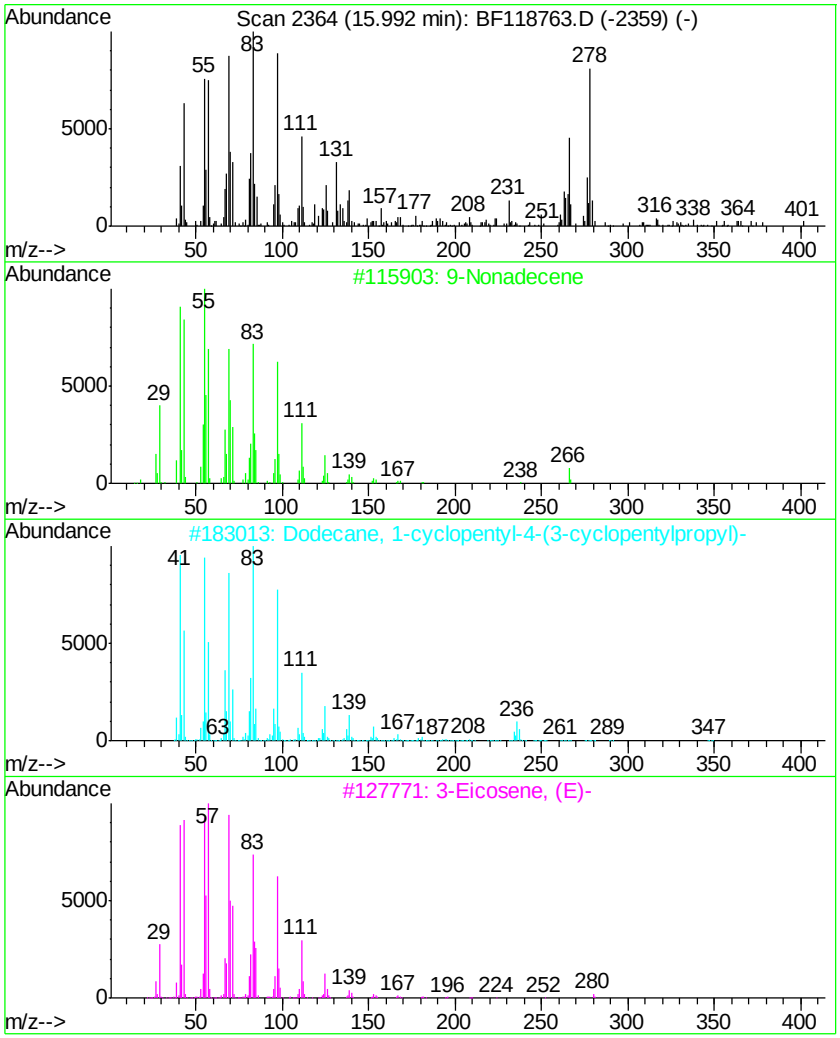
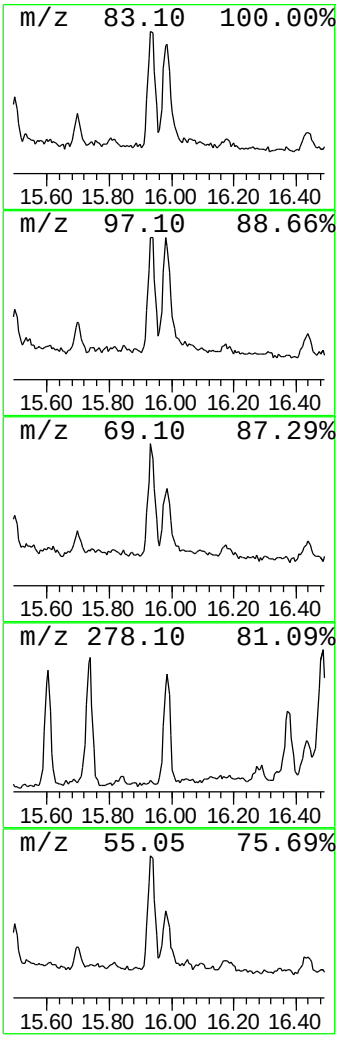
Peak Number 16 9-Nonadecene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.99	3.44 ng	385975	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Nonadecene	266	C19H38	031035-07-1	83
2	Dodecane, 1-cyclopentyl-4-(3-cyc...	348	C25H48	007225-68-5	83
3	3-Eicosene, (E)-	280	C20H40	074685-33-9	80
4	Behenic alcohol	326	C22H46O	000661-19-8	64
5	Cyclotetradecane	196	C14H28	000295-17-0	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013020\
Data File : BF118763.D
Acq On : 30 Jan 2020 20:41
Operator : CG/JU
Sample : L1296-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-51

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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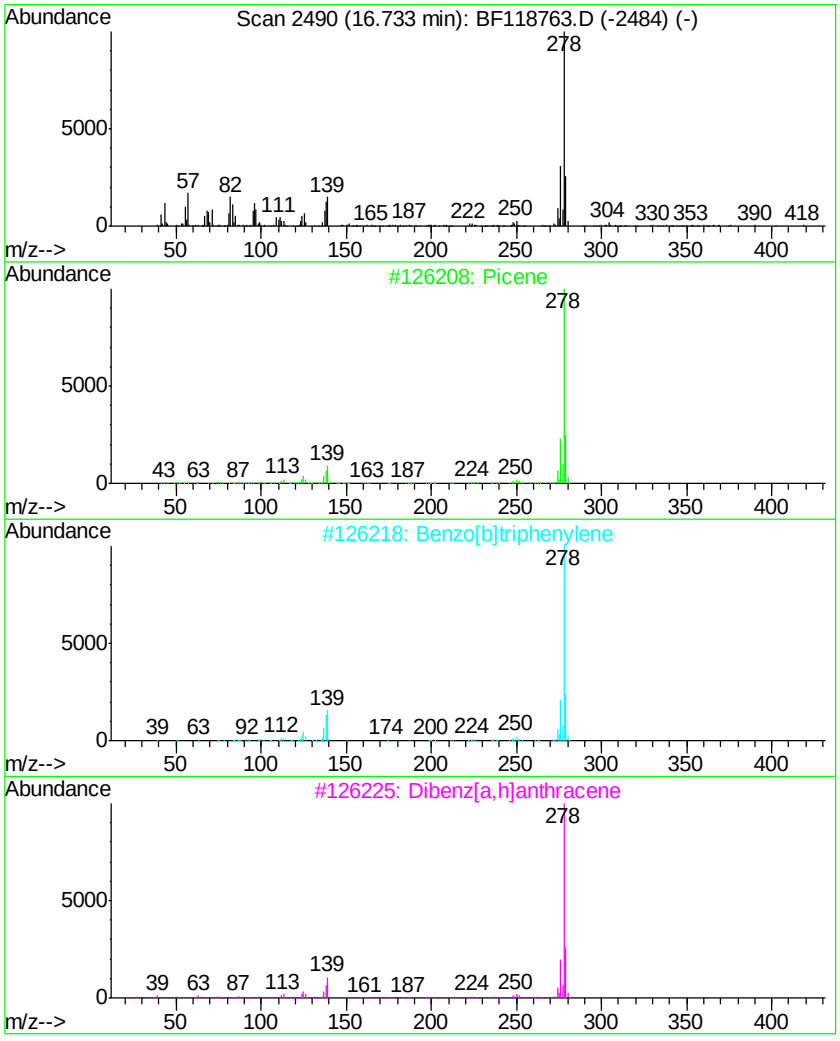
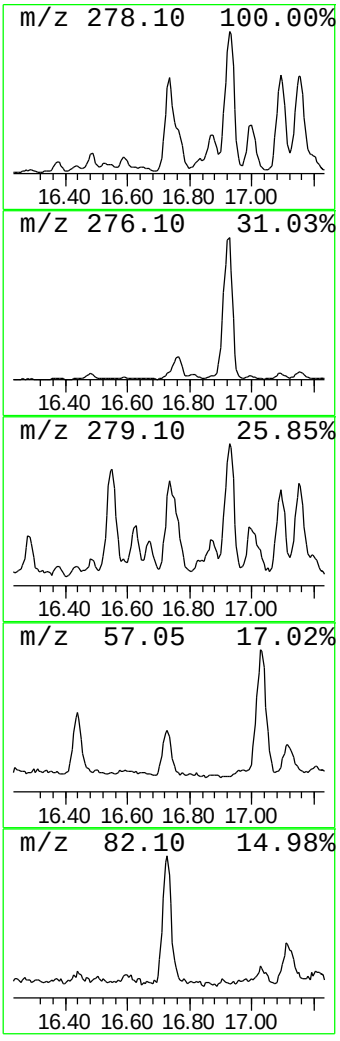
Peak Number 17 Picene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.73	7.45 ng	835173	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	96
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	95
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	93
4	Dibenz[a,j]anthracene	278	C22H14	000224-41-9	87
5	Pentacene	278	C22H14	000135-48-8	86





Library Search Compound Report

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Data File : BF118763.D
Acq On : 30 Jan 2020 20:41
Operator : CG/JU
Sample : L1296-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-51

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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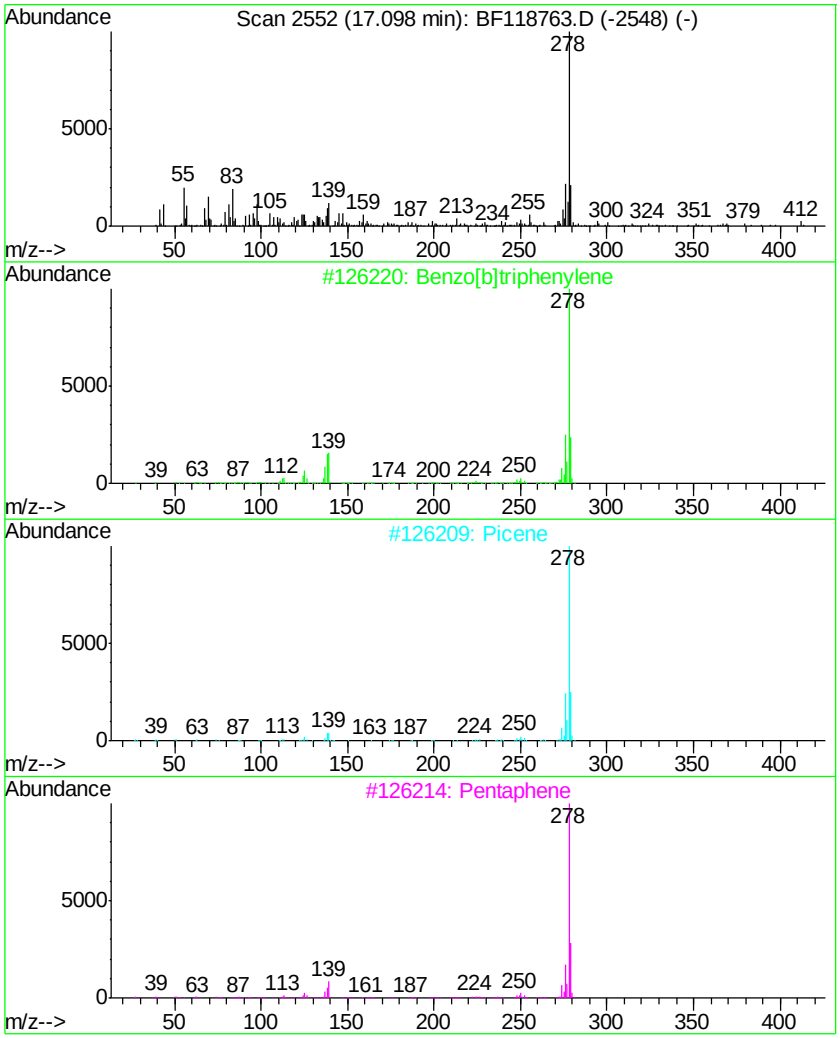
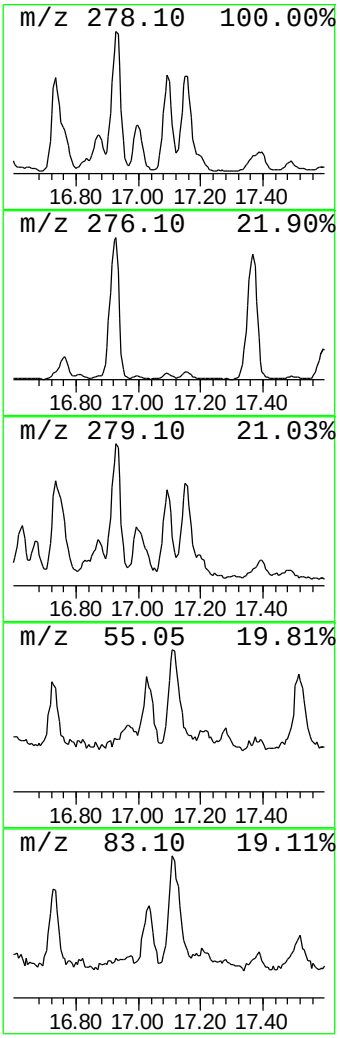
Peak Number 18 Benzo[b]triphenylene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.10	7.49 ng	840032	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	90
2	Picene	278	C22H14	000213-46-7	87
3	Pentaphene	278	C22H14	000222-93-5	70
4	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	55
5	Dibenz[a,j]anthracene	278	C22H14	000224-41-9	53





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Data File : BF118763.D
Acq On : 30 Jan 2020 20:41
Operator : CG/JU
Sample : L1296-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-51

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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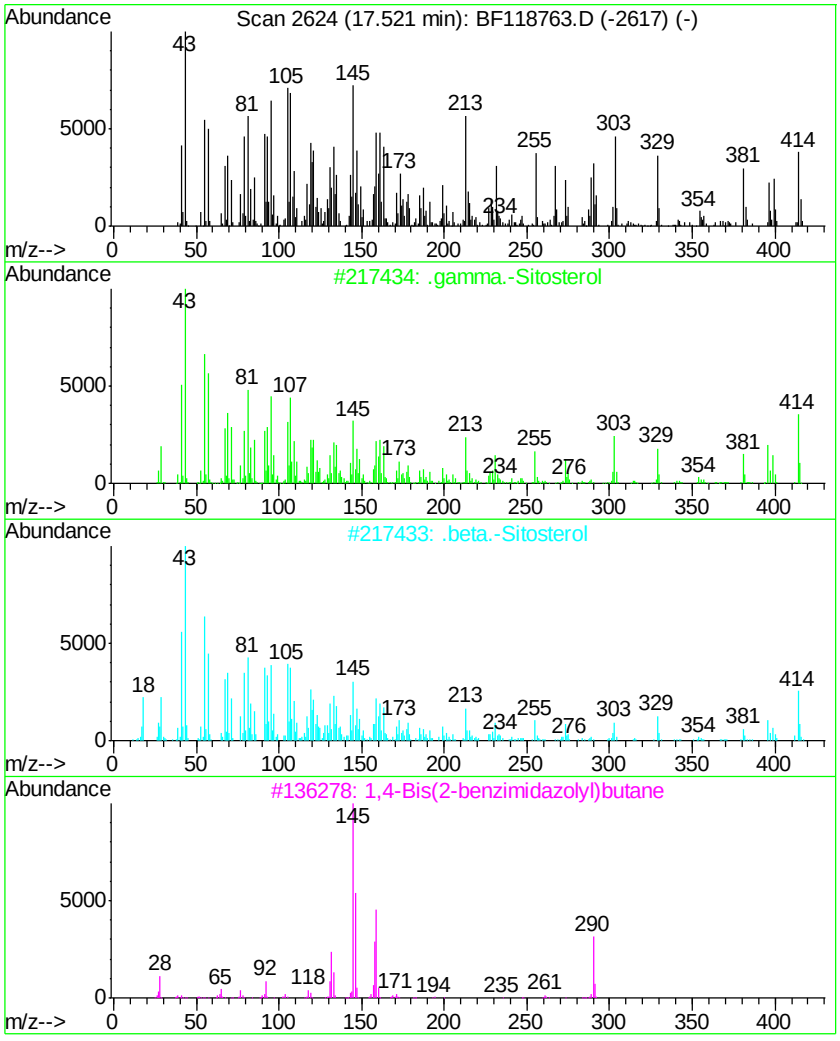
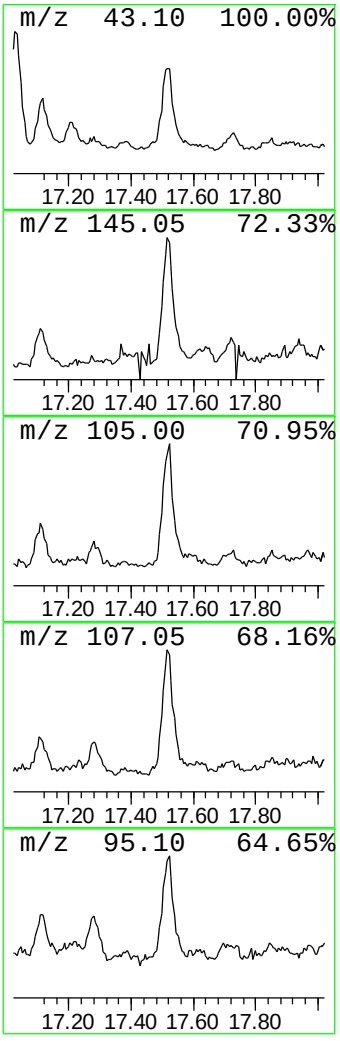
Peak Number 19 .gamma.-Sitosterol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.52	12.11 ng	1358440	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.gamma.-Sitosterol	414	C29H50O	000083-47-6	99
2	.beta.-Sitosterol	414	C29H50O	000083-46-5	84
3	1,4-Bis(2-benzimidazolyl)butane	290	C18H18N4	004746-56-9	38
4	Norflurazon	303	C12H9ClF3N3O	027314-13-2	38
5	N-(3-Chloro-4-fluoro-phenyl)-2-(...	329	C14H10Cl2FNOS	1000295-12-7	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013020\
Data File : BF118763.D
Acq On : 30 Jan 2020 20:41
Operator : CG/JU
Sample : L1296-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-51

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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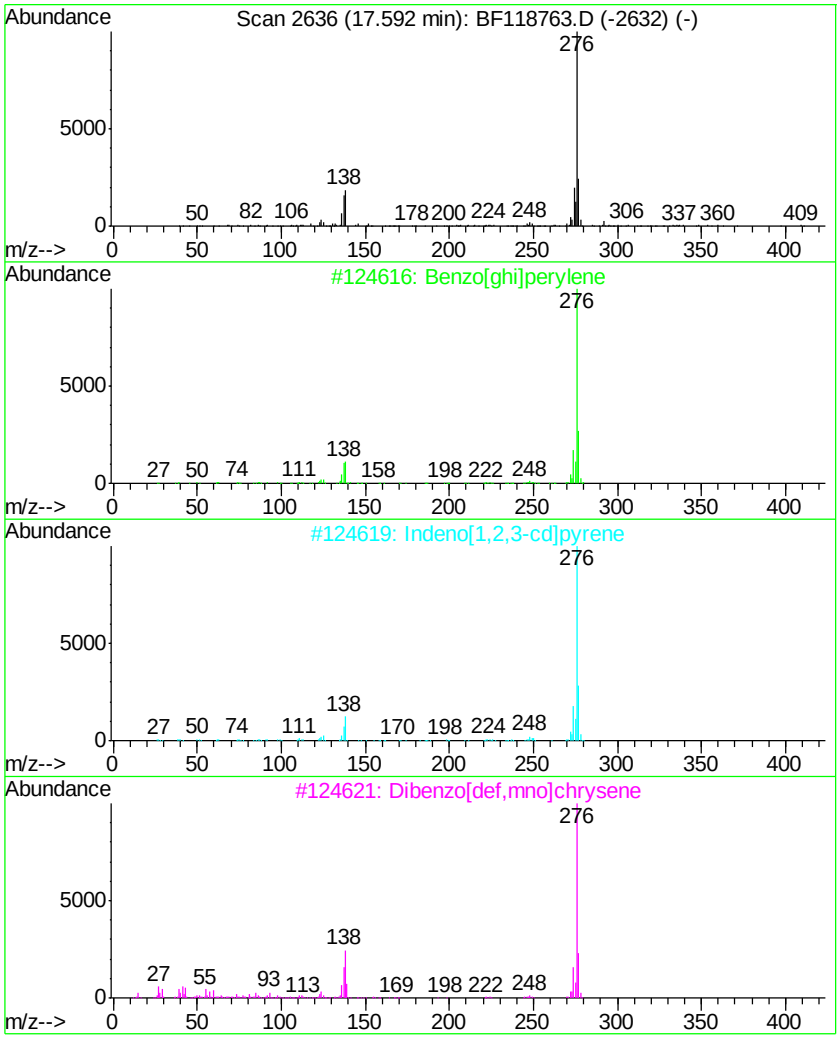
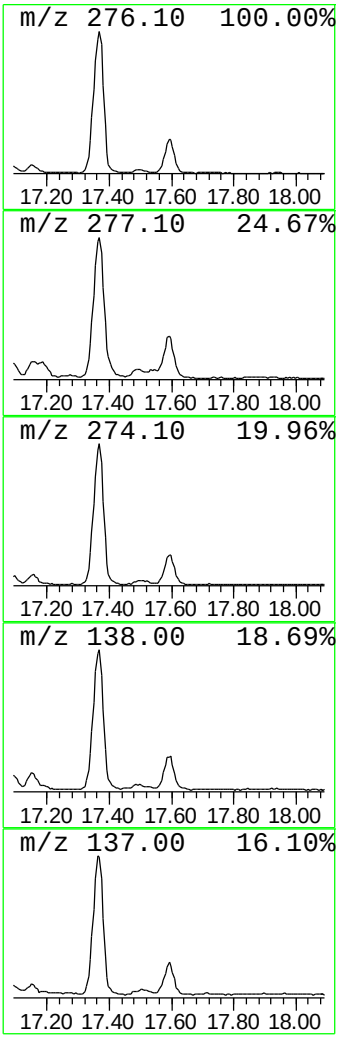
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.59	8.54 ng	957922	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]perylene	276	C22H12	000191-24-2	96
2	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	96
3	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	90
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	64
5	Phenol, 2-(4-chlorophenyliminome...	276	C13H9ClN2O3	1000262-90-3	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF013020\
Data File : BF118763.D
Acq On : 30 Jan 2020 20:41
Operator : CG/JU
Sample : L1296-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-51

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
Tetradecanoic acid	11.03	5.9	ng	733233	4	11.36	2500550	20.0
Anthracene, 2-met...	11.86	4.3	ng	533473	4	11.36	2500550	20.0
n-Hexadecanoic acid	11.92	87.2	ng	10899200	4	11.36	2500550	20.0
4H-Cyclopenta[def...	11.97	9.1	ng	1134310	4	11.36	2500550	20.0
9,10-Anthracenedione	12.18	4.2	ng	522337	4	11.36	2500550	20.0
Phenanthrene, 3,6...	12.42	4.5	ng	558620	4	11.36	2500550	20.0
Cyclopenta(def)ph...	12.50	3.6	ng	445566	4	11.36	2500550	20.0
Octadecanoic acid	12.69	7.1	ng	2147280	5	14.00	6038400	20.0
11H-Benzo[a]fluor...	13.84	5.4	ng	1631050	5	14.00	6038400	20.0
Octadecane	14.78	4.3	ng	478751	6	15.47	2243170	20.0
Heptadecane, 9-oc...	15.12	10.5	ng	1174360	6	15.47	2243170	20.0
Benzo[e]pyrene	15.14	10.1	ng	1128200	6	15.47	2243170	20.0
Tetracosane	15.93	13.0	ng	1455790	6	15.47	2243170	20.0
9-Nonadecene	15.99	3.4	ng	385975	6	15.47	2243170	20.0
Picene	16.73	7.5	ng	835173	6	15.47	2243170	20.0
Benzo[b]triphenylene	17.10	7.5	ng	840032	6	15.47	2243170	20.0
.gamma.-Sitosterol	17.52	12.1	ng	1358440	6	15.47	2243170	20.0
Dibenzo[def,mno]c...	17.59	8.5	ng	957922	6	15.47	2243170	20.0