LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071619\
Data File : BF115602.D
Acq On : 16 Jul 2019 17:30
Operator : HP/JU
Sample : K3830-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200027

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-BF071219.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	2.193	9	18	30	rVB	1051297	1508549	28.18%	2.342%
2	5.510	576	582	585	rBV	4437358	4814940	89.95%	7.475%
3	6.516	746	753	756	rBV	4336340	5034790	94.06%	7.816%
4	6.657	771	777	780	rBV	4700221	5040617	94.17%	7.825%
5	6.881	811	815	819	rBV	1370149	1083109	20.23%	1.681%
6	7.039	838	842	845	rBV	4172016	3881031	72.51%	6.025%
7	7.439	905	910	913	rBV	2919381	3358281	62.74%	5.214%
8	8.163	1028	1033	1036	rBV	1565936	1419632	26.52%	2.204%
9	9.239	1210	1216	1219	rBV	5322906	5352725	100.00%	8.310%
10	9.628	1278	1282	1291	rVB	898249	771428	14.41%	1.198%
11	9.775	1304	1307	1313	rVB	109434	96247	1.80%	0.149%
12	9.916	1324	1331	1335	rBV	1776303	1662884	31.07%	2.582%
13	10.704	1460	1465	1482	rBV	3041619	3340327	62.40%	5.186%
14	10.827	1482	1486	1493	rVB5	59555	91234	1.70%	0.142%
15	11.404	1579	1584	1586	rBV	1880107	1743850	32.58%	2.707%
16	11.422	1586	1587	1591	rVV	759342	635262	11.87%	0.986%
17	11.474	1592	1596	1599	rVB	266793	240821	4.50%	0.374%
18	11.698	1631	1634	1637	rVB	65567	54345	1.02%	0.084%
19	11.733	1637	1640	1646	rVB2	59669	54658	1.02%	0.085%
20	11.904	1665	1669	1671	rBV	207983	195338	3.65%	0.303%
21	11.927	1671	1673	1678	rVV2	491308	466120	8.71%	0.724%
22	11.980	1678	1682	1684	rVV	102332	114413	2.14%	0.178%
23	12.016	1684	1688	1690	rVV2	330459	368172	6.88%	0.572%
24	12.039	1690	1692	1696	rVB	151351	129135	2.41%	0.200%
25	12.198	1716	1719	1721	rBV	149538	127428	2.38%	0.198%
26	12.216	1721	1722	1727	rVB3	114140	103318	1.93%	0.160%
27	12.451	1759	1762	1765	rBV	171525	176243	3.29%	0.274%
28	12.492	1765	1769	1771	rVV2	93927	127942	2.39%	0.199%
29	12.533	1774	1776	1782	rVB2	113031	128405	2.40%	0.199%
30	12.616	1786	1790	1793	rBV	1837685	1568029	29.29%	2.434%
31	12.710	1803	1806	1809	rBV	170893	164365	3.07%	0.255%
32	12.769	1813	1816	1819	rVV2	69618	90224	1.69%	0.140%
33	12.845	1823	1829	1832	rVV	1489354	1633368	30.51%	2.536%
34	12.892	1834	1837	1842	rVB2	84502	129919	2.43%	0.202%

LSC Area Percent Report

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Sample : K3830-07
Misc :
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Instrument : BNA_F
ClientSampleId : RBR-200027

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-BF071219.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.992	1849	1854	1857	rVB	4055382	4284209	80.04%	6.651%
36	13.063	1860	1866	1869	rBV3	145254	230811	4.31%	0.358%
37	13.151	1877	1881	1882	rBV2	117154	142358	2.66%	0.221%
38	13.168	1882	1884	1887	rVB	219866	193680	3.62%	0.301%
39	13.233	1887	1895	1898	rBV	133421	195267	3.65%	0.303%
40	13.274	1898	1902	1905	rBV2	208195	209726	3.92%	0.326%
41	13.368	1915	1918	1920	rVB	131879	107724	2.01%	0.167%
42	13.398	1920	1923	1926	rBV	129990	118677	2.22%	0.184%
43	13.474	1932	1936	1941	rVB6	37113	64109	1.20%	0.100%
44	13.563	1945	1951	1955	rBV8	52846	115174	2.15%	0.179%
45	13.674	1965	1970	1975	rVB	187559	220054	4.11%	0.342%
46	13.786	1984	1989	1992	rBV2	165713	239840	4.48%	0.372%
47	13.816	1992	1994	1996	rVV	146864	113886	2.13%	0.177%
48	13.839	1996	1998	2002	rVV2	101960	107314	2.00%	0.167%
49	13.880	2002	2005	2007	rBV2	149346	172142	3.22%	0.267%
50	13.915	2007	2011	2016	rVB4	126320	275874	5.15%	0.428%
51	14.039	2024	2032	2034	rBV2	1530715	2173599	40.61%	3.374%
52	14.063	2034	2036	2042	rVB	866284	811403	15.16%	1.260%
53	14.204	2057	2060	2066	rVB6	116735	149250	2.79%	0.232%
54	14.257	2066	2069	2073	rBV2	60158	100469	1.88%	0.156%
55	14.315	2077	2079	2082	rVB3	73032	67593	1.26%	0.105%
56	14.363	2082	2087	2090	rBV4	91023	169202	3.16%	0.263%
57	14.421	2093	2097	2100	rVV	196601	239387	4.47%	0.372%
58	14.457	2100	2103	2107	rVB	155580	145562	2.72%	0.226%
59	14.510	2107	2112	2116	rBV3	304745	431937	8.07%	0.671%
60	14.551	2116	2119	2120	rVV	123591	121194	2.26%	0.188%
61	14.568	2120	2122	2126	rVB4	113365	110369	2.06%	0.171%
62	14.668	2135	2139	2145	rBV2	231538	365472	6.83%	0.567%
63	14.815	2161	2164	2168	rBV	267745	257565	4.81%	0.400%
64	14.898	2174	2178	2180	rBV3	113380	148407	2.77%	0.230%
65	15.080	2204	2209	2212	rBV	738897	1150407	21.49%	1.786%
66	15.157	2218	2222	2225	rBV	299125	324051	6.05%	0.503%
67	15.186	2225	2227	2233	rVB	148125	147614	2.76%	0.229%
68	15.386	2256	2261	2267	rVV	417054	546726	10.21%	0.849%
69	15.445	2267	2271	2277	rVV	612397	745561	13.93%	1.157%
70	15.509	2277	2282	2285	rVV	958980	1261585	23.57%	1.959%
71	15.539	2285	2287	2294	rVB2	452371	588097	10.99%	0.913%

LSC Area Percent Report

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Instrument : BNA_F
ClientSampleId : RBR-200027

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

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	15.980	2358	2362	2368	rVB	223905	340531	6.36%	0.529%
73	16.080	2375	2379	2387	rVB7	53123	105671	1.97%	0.164%
74	16.492	2444	2449	2454	rBV	115110	201635	3.77%	0.313%
75	16.792	2496	2500	2504	rBV2	33844	80846	1.51%	0.126%
76	16.980	2525	2532	2540	rVB2	245642	500691	9.35%	0.777%
77	17.156	2557	2562	2566	rBV	49895	85885	1.60%	0.133%
78	17.215	2568	2572	2576	rBV3	45261	86613	1.62%	0.134%
79	17.421	2601	2607	2625	rVB	193862	458934	8.57%	0.712%

Sum of corrected areas: 64414250

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071619\
Data File : BF115602.D
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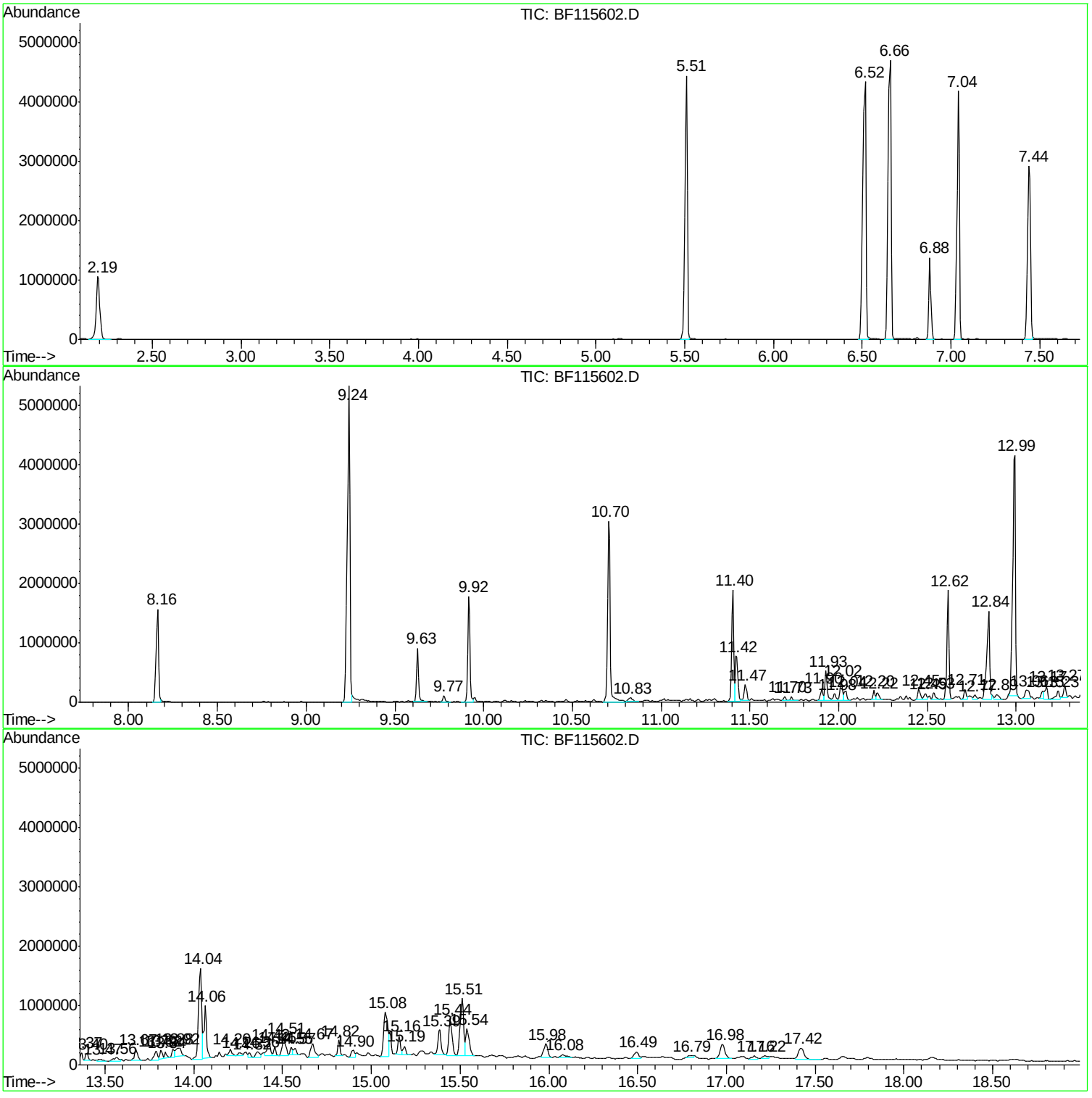
Operator : HP/JU
Sample : K3830-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200027

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.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\BF071619\
Data File : BF115602.D
Acq On : 16 Jul 2019 17:30
Operator : HP/JU
Sample : K3830-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200027

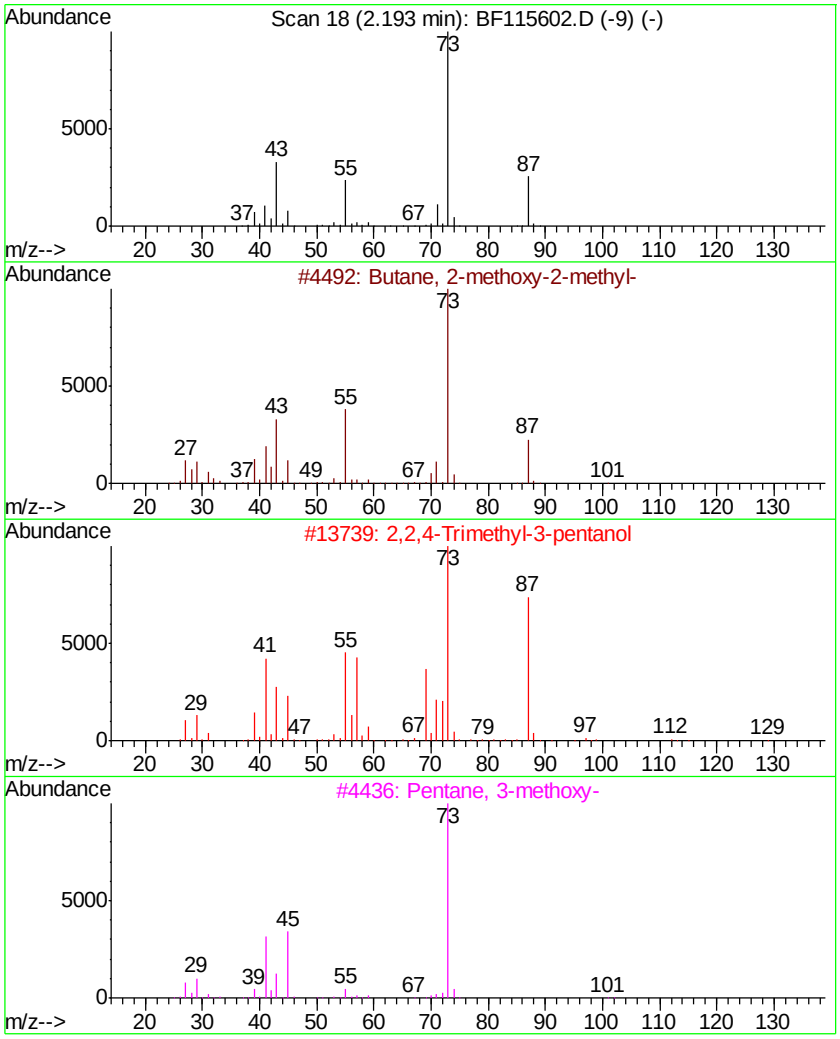
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

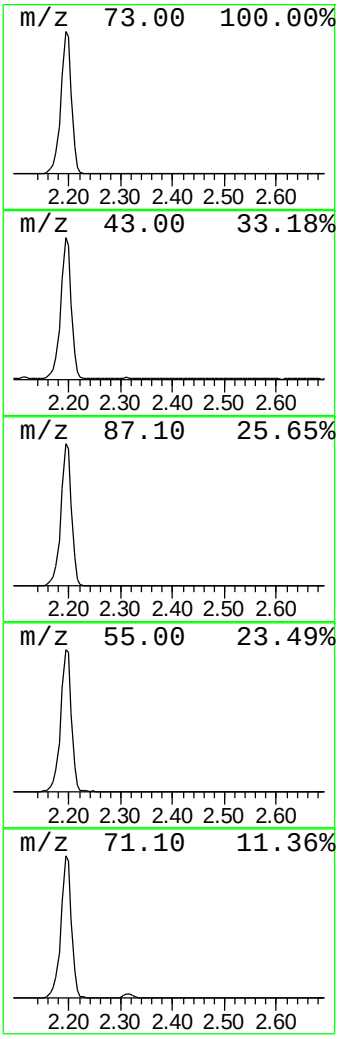
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.19	27.86 ng	1508550	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	39
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9
5	Borane, dimethoxy-	74	C2H7BO2	004542-61-4	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071619\
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Sample : K3830-07
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ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200027

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

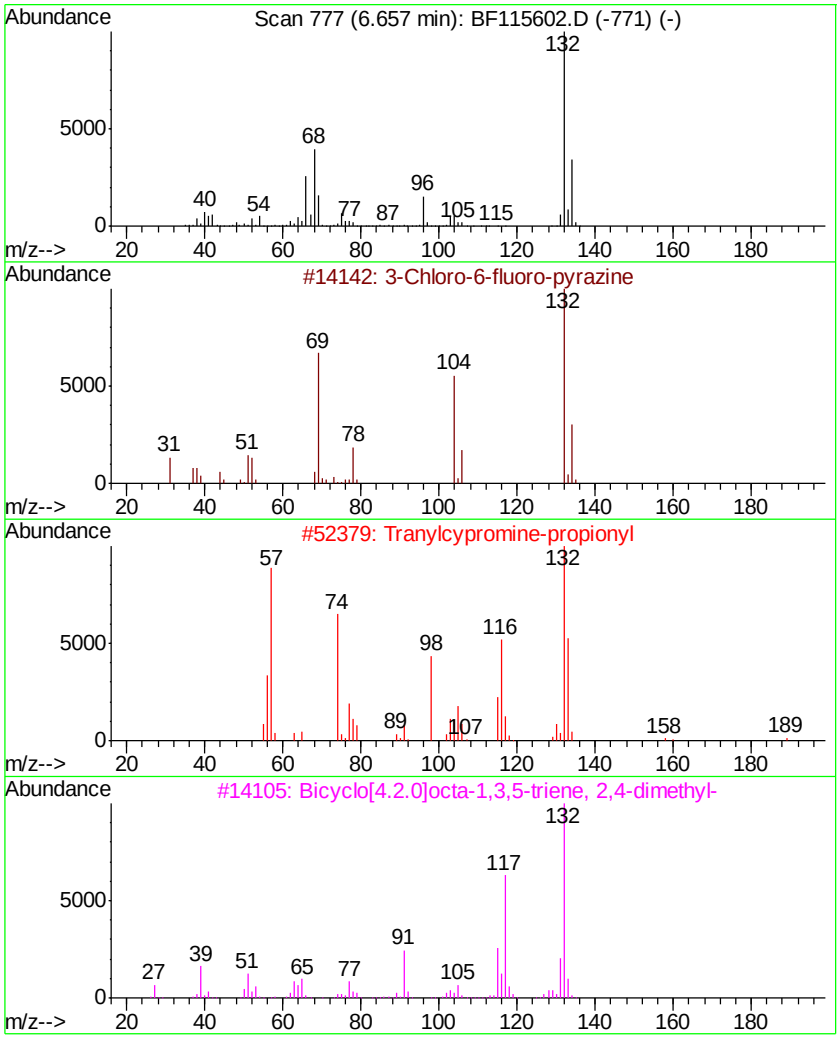
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

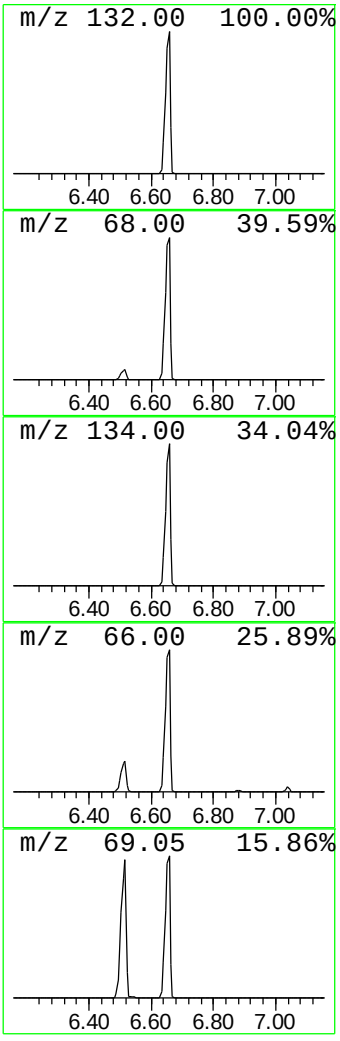
****

Peak Number 2 unknown6.66 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.66	93.08 ng	5040620	1,4-Dichlorobenzene-d4	6.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





Library Search Compound Report

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Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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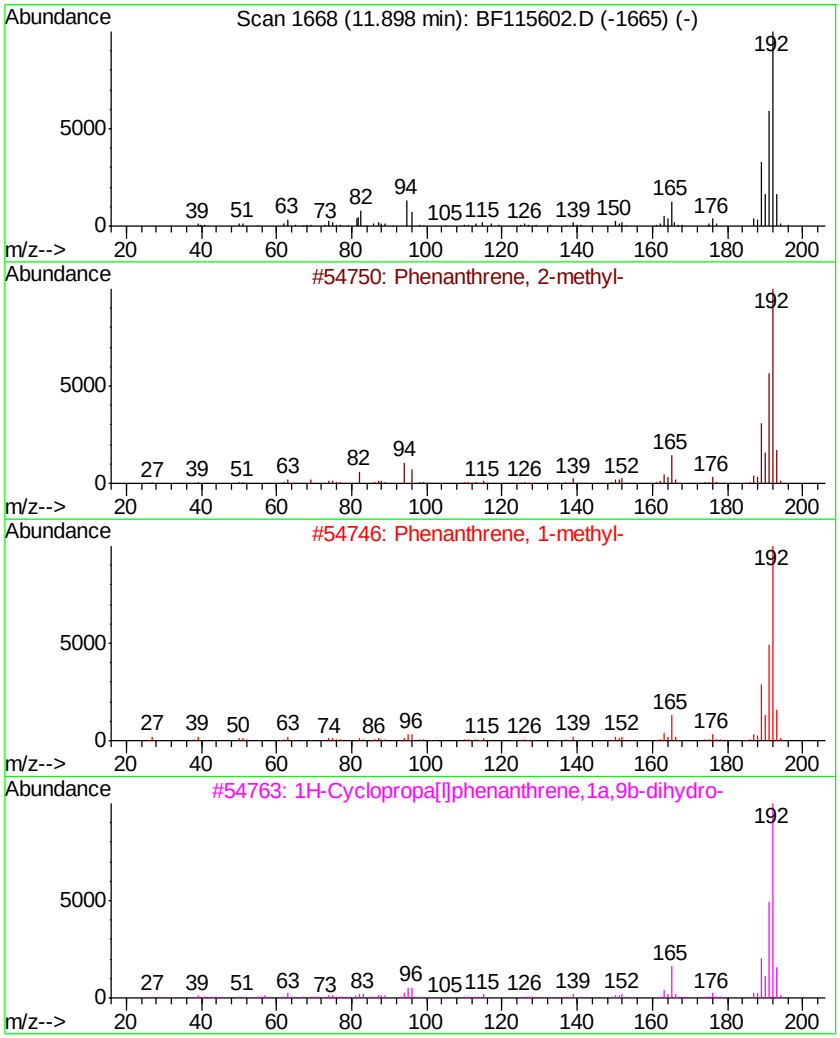
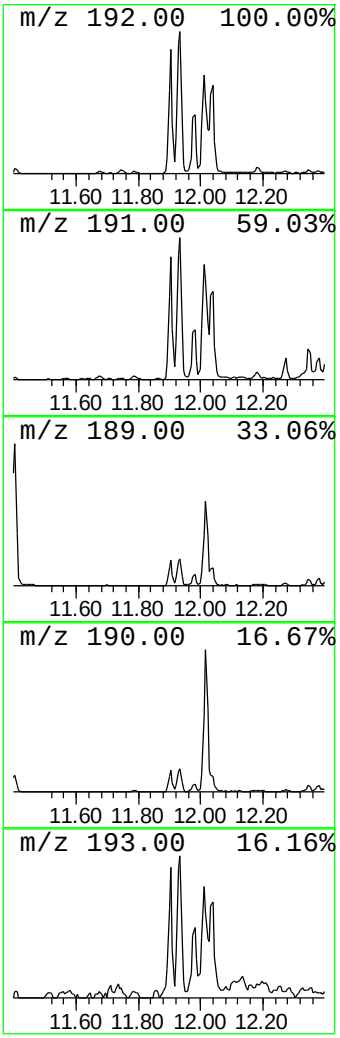
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	2.24 ng	195338	Phenanthrene-d10	11.40

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	96
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95





Library Search Compound Report

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ClientSampleId : RBR-200027

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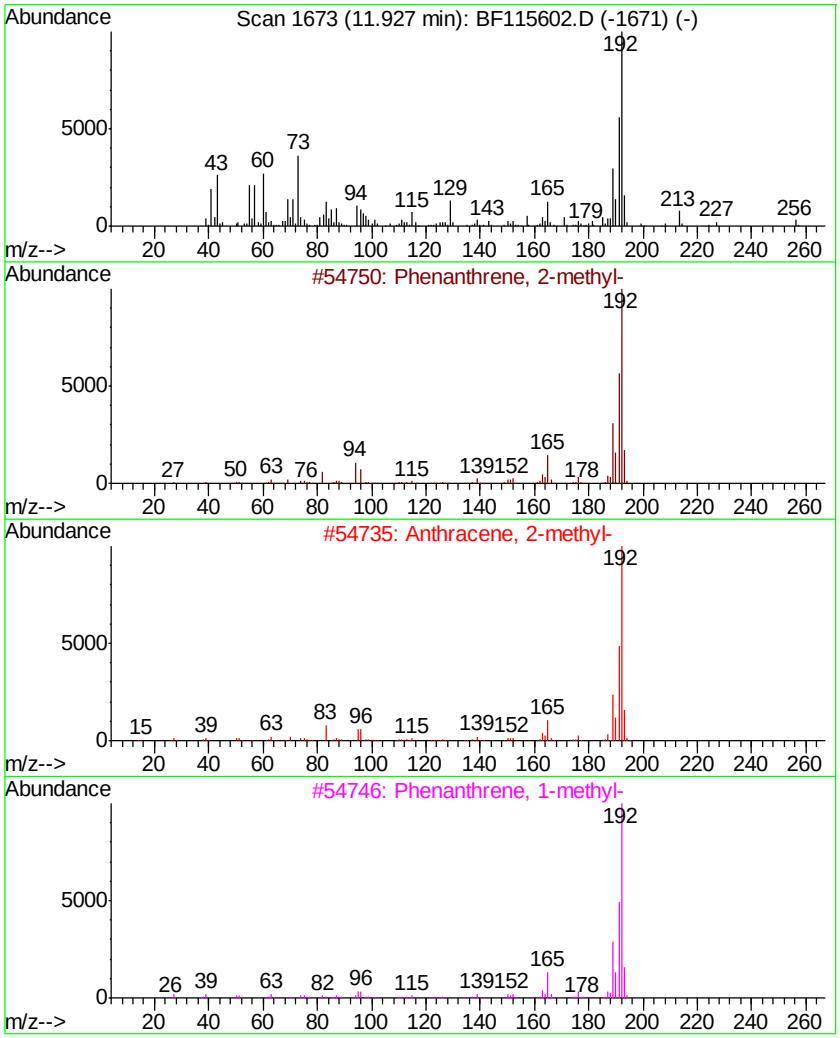
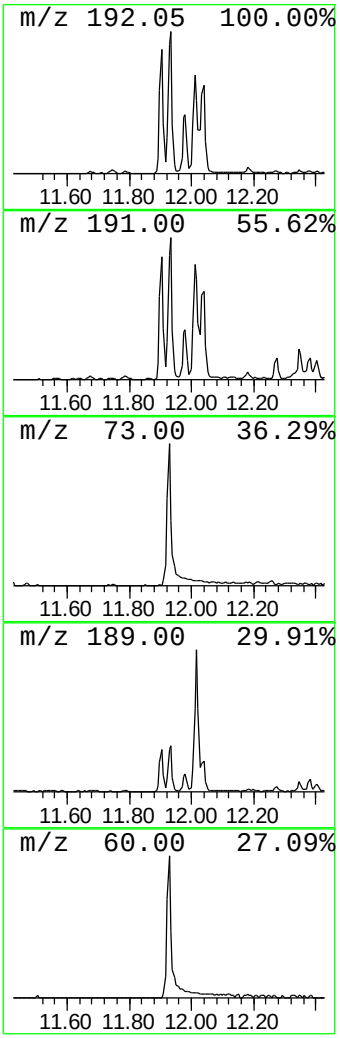
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	5.35 ng	466120	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
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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Operator : HP/JU
Sample : K3830-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200027

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

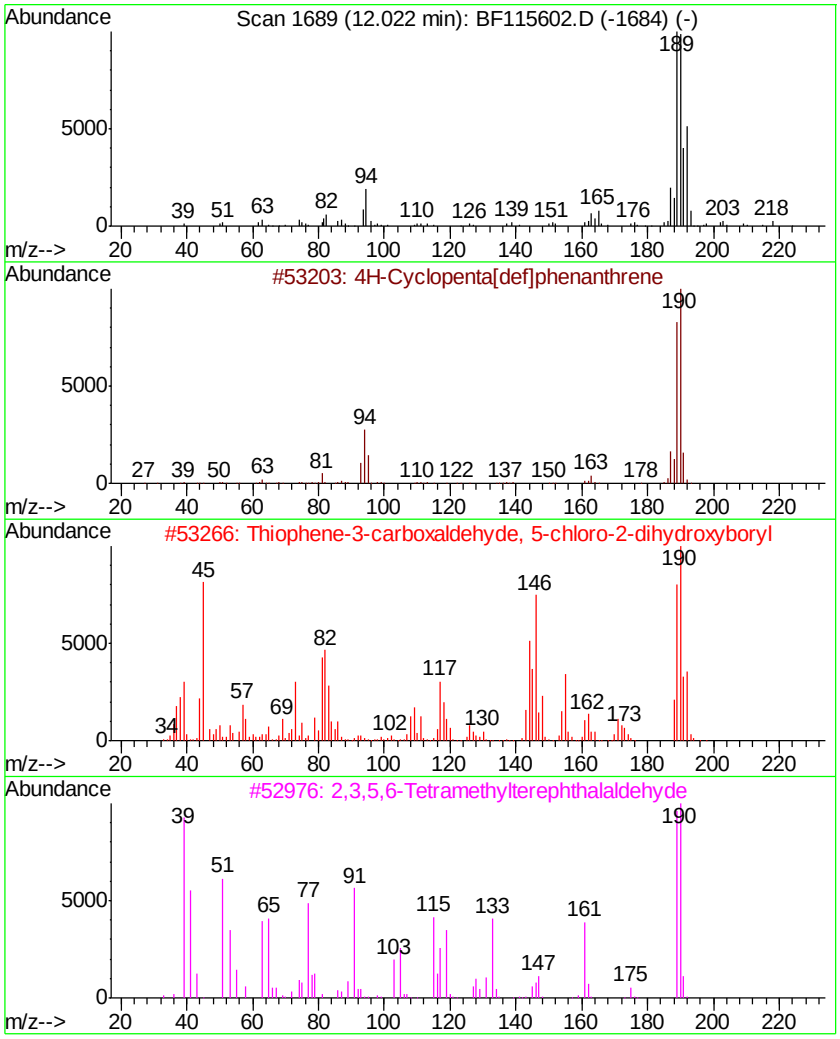
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

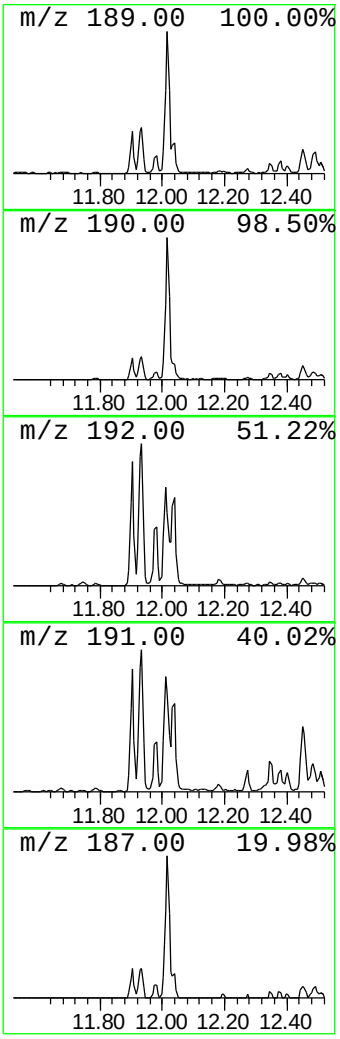
****

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	4.22 ng	368172	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	22
5	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	20





Library Search Compound Report

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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200027

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

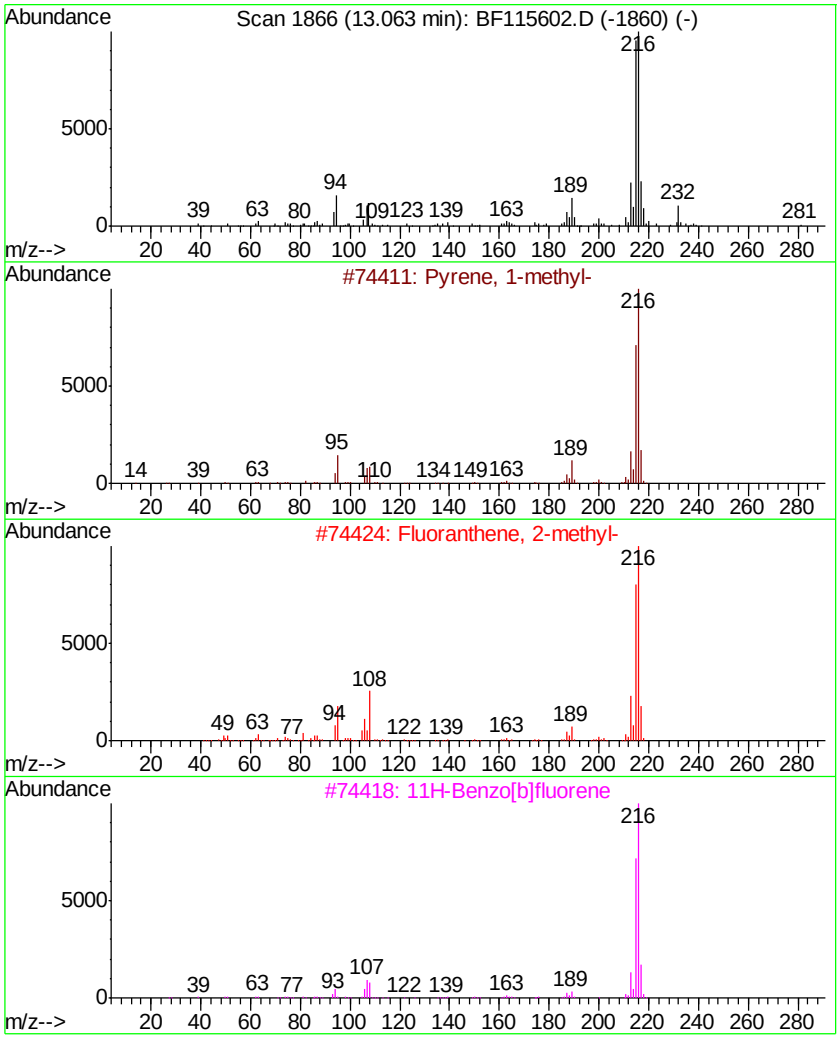
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

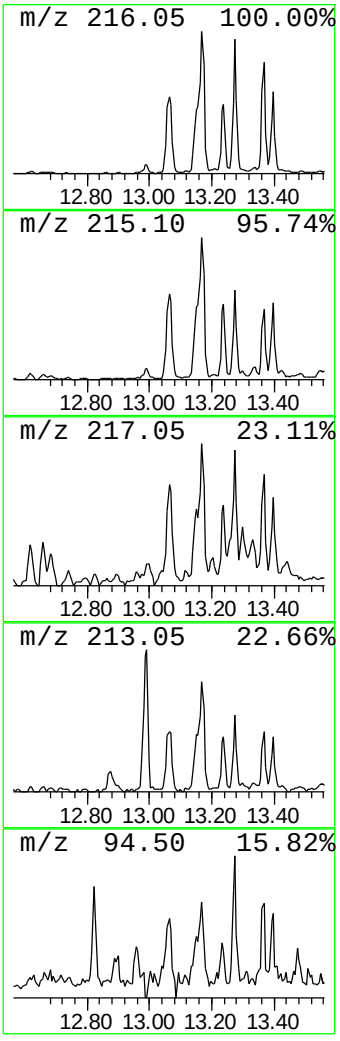
****

Peak Number 7 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.06	2.12 ng	230811	Chrysene-d12	14.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74





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Acq On : 16 Jul 2019 17:30
Operator : HP/JU
Sample : K3830-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200027

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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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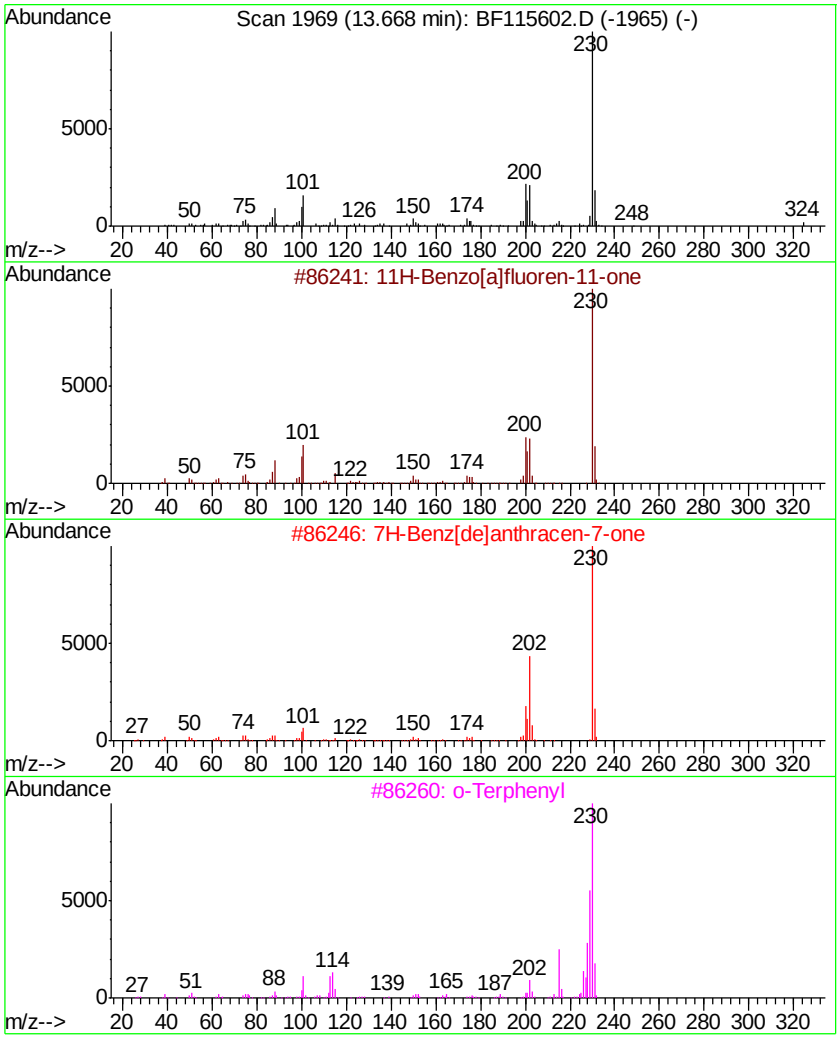
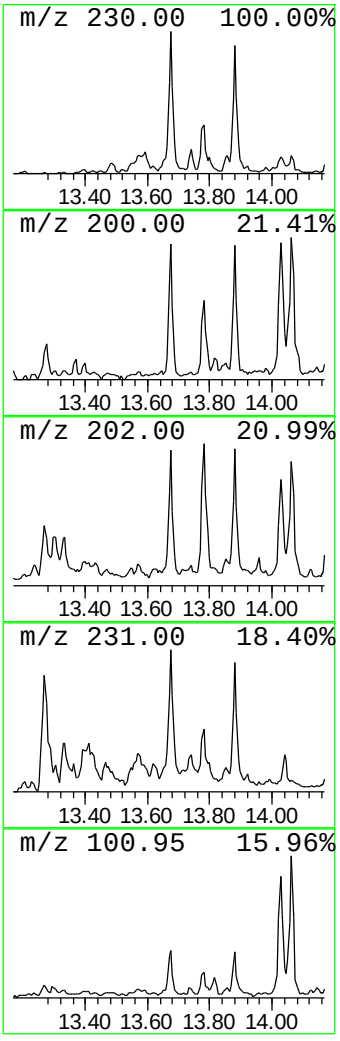
Peak Number 8 11H-Benzo[a]fluoren-11-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	2.02 ng	220054	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	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	o-Terphenyl	230	C18H14	000084-15-1	58
4	p-Terphenyl	230	C18H14	000092-94-4	53
5	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	53





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Sample : K3830-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200027

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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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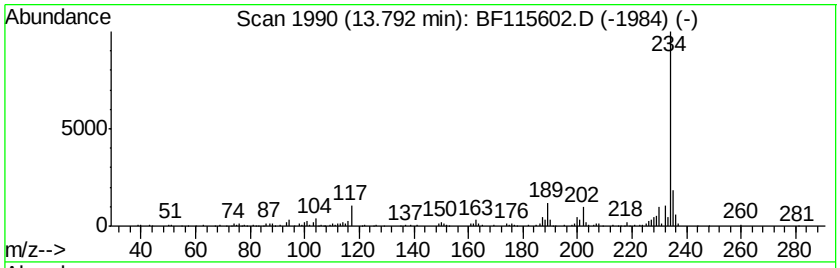
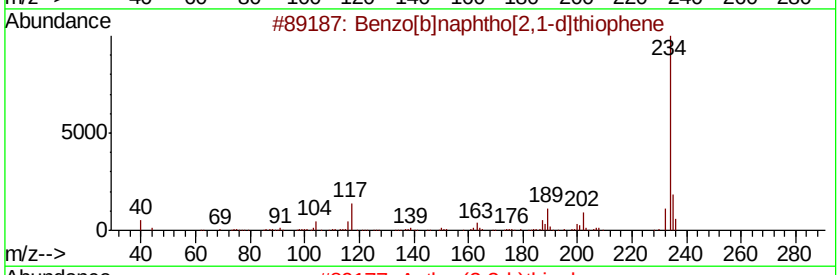
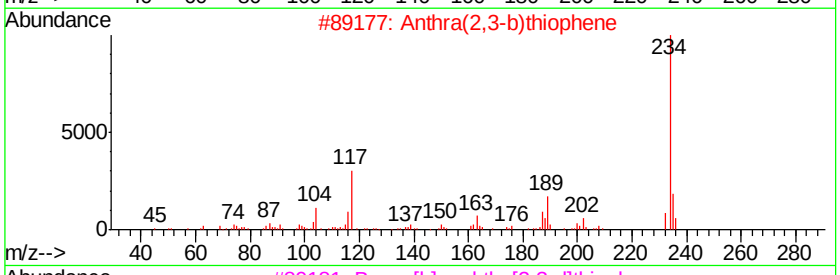
Peak Number 9 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 17

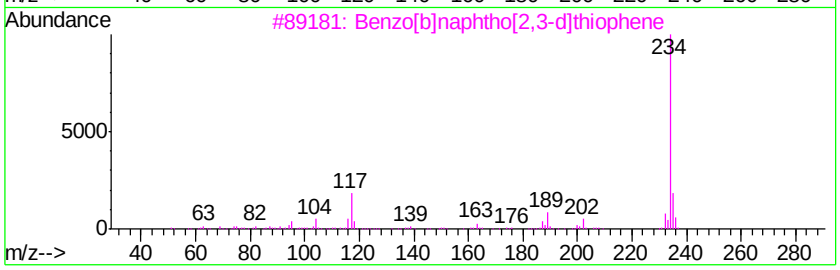
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	2.21 ng	239840	Chrysene-d12	14.04

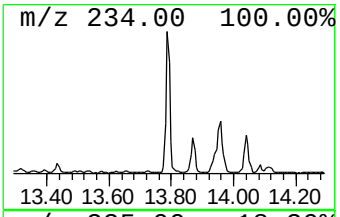
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
2	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	94
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
4	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	91
5	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	64

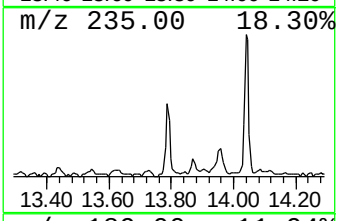


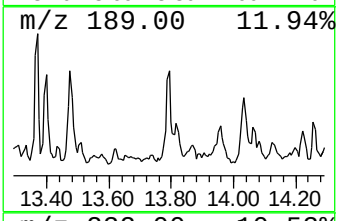


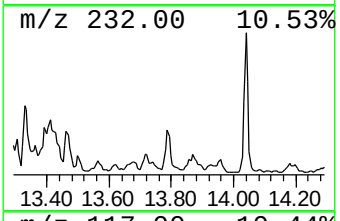


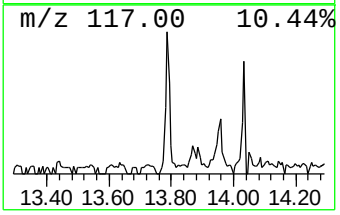












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Data File : BF115602.D
Acq On : 16 Jul 2019 17:30
Operator : HP/JU
Sample : K3830-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200027

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.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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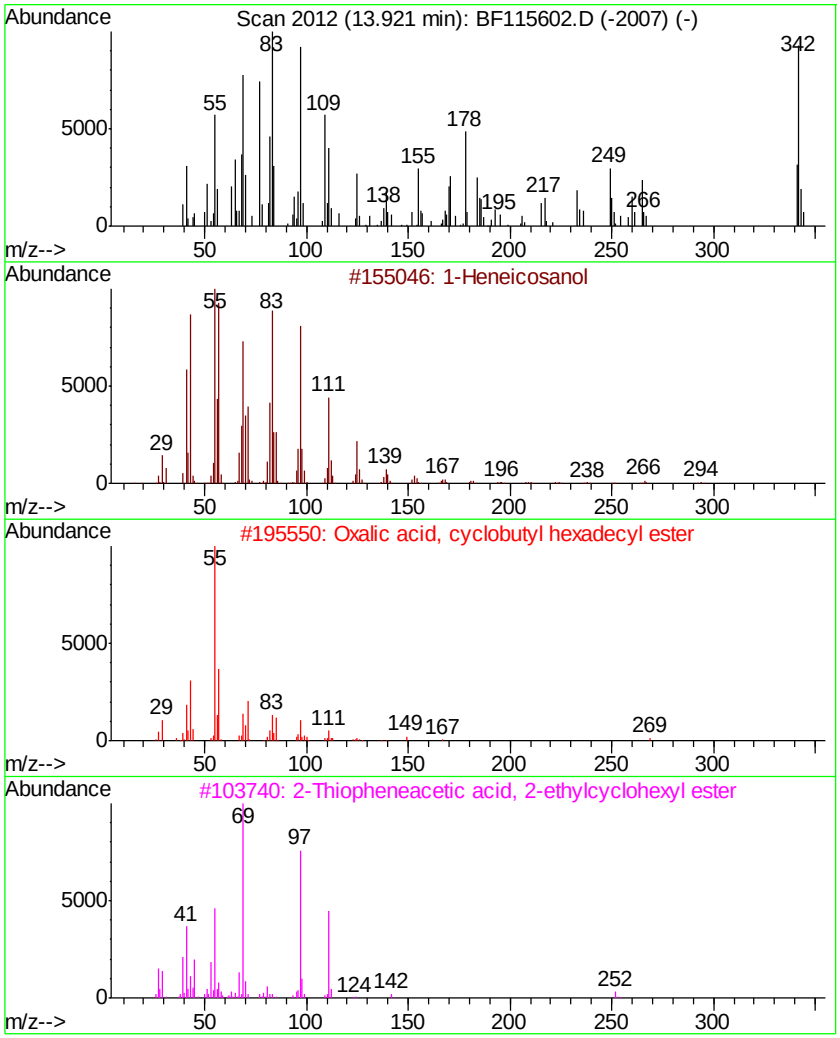
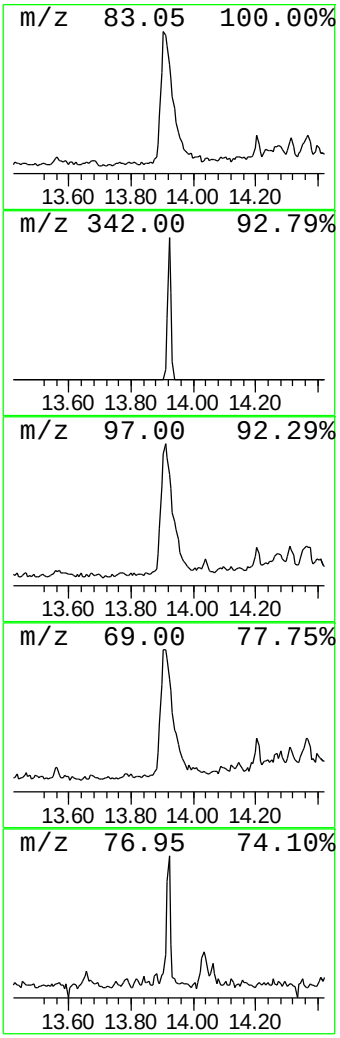
Peak Number 10 1-Heneicosanol Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.92	2.54 ng	275874	Chrysene-d12	14.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosanol	312	C21H44O	015594-90-8	72
2	Oxalic acid, cyclobutyl hexadecy...	368	C22H40O4	1000309-70-6	64
3	2-Thiopheneacetic acid, 2-ethylc...	252	C14H20O2S	1000278-96-1	43
4	1-Docosanol, methyl ether	340	C23H48O	1000333-91-9	41
5	2-Thiopheneacetic acid, oct-3-en...	252	C14H20O2S	1000299-38-6	38





Library Search Compound Report

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Sample : K3830-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200027

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.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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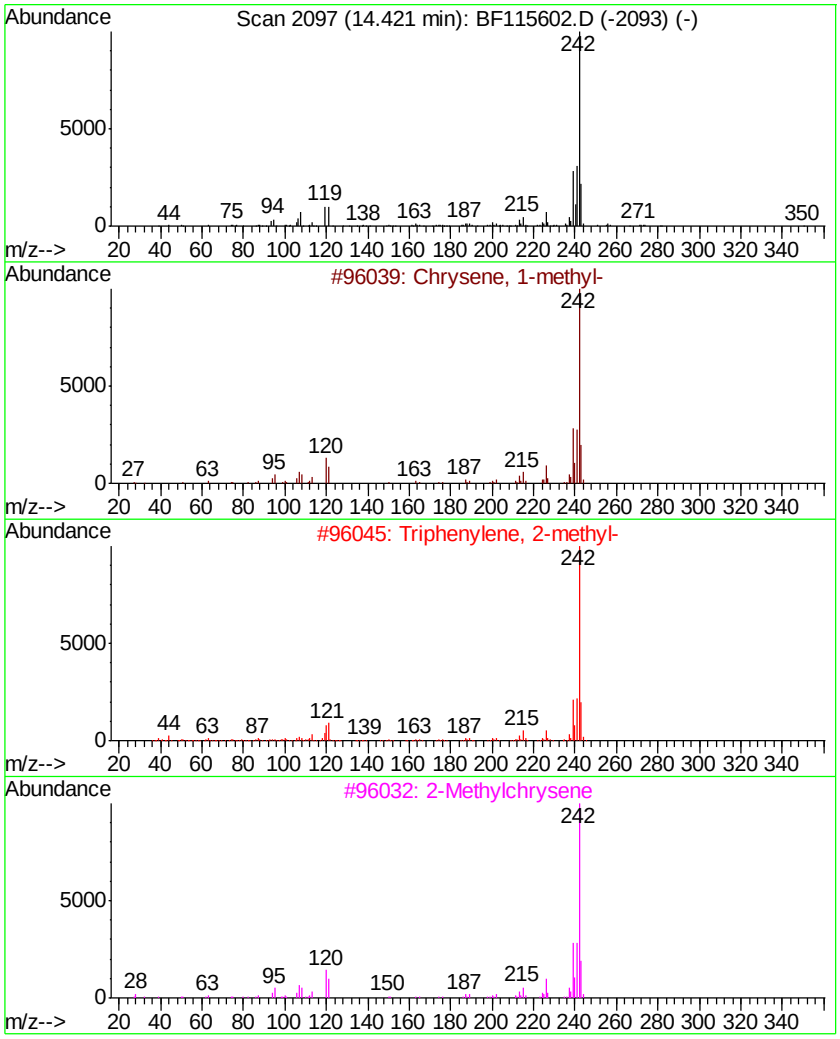
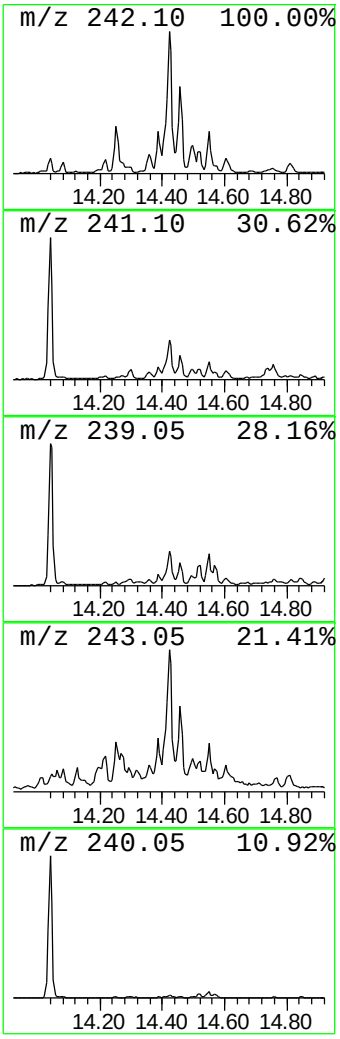
Peak Number 11 Chrysene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.42	2.20 ng	239387	Chrysene-d12	14.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 1-methyl-	242	C19H14	003351-28-8	97
2	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	96
3	2-Methylchrysene	242	C19H14	003351-32-4	96
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	95
5	Chrysene, 3-methyl-	242	C19H14	003351-31-3	93





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ClientSampleId : RBR-200027

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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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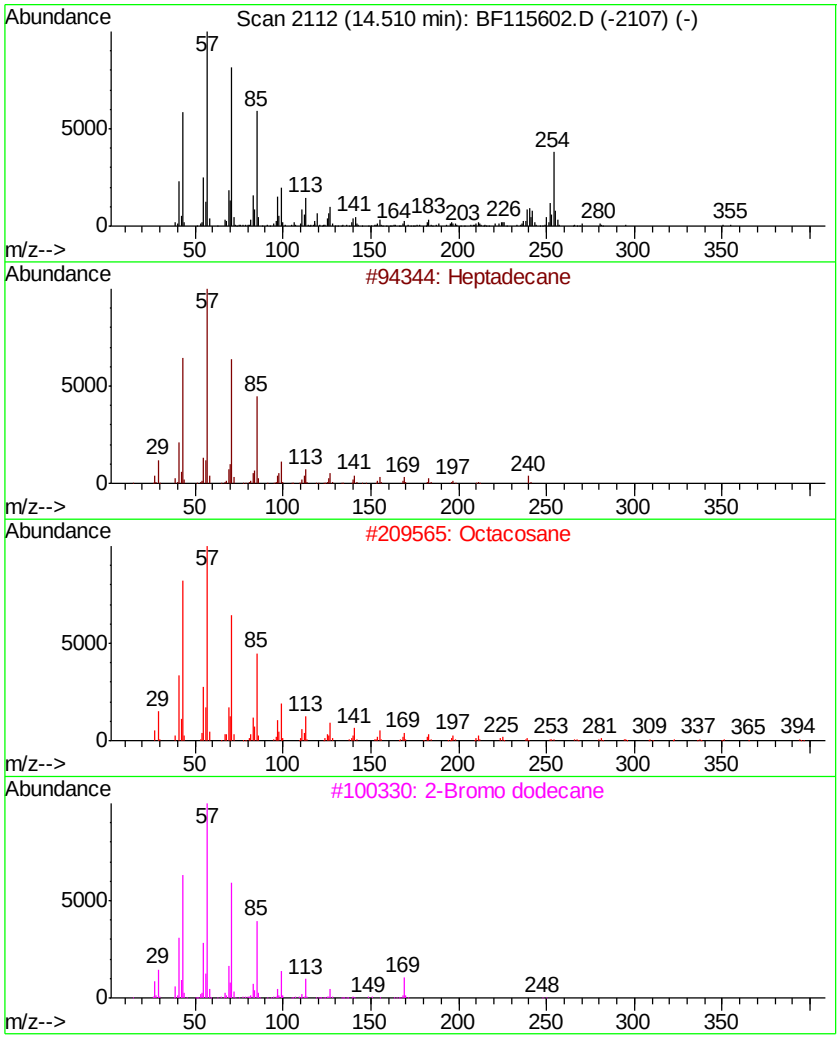
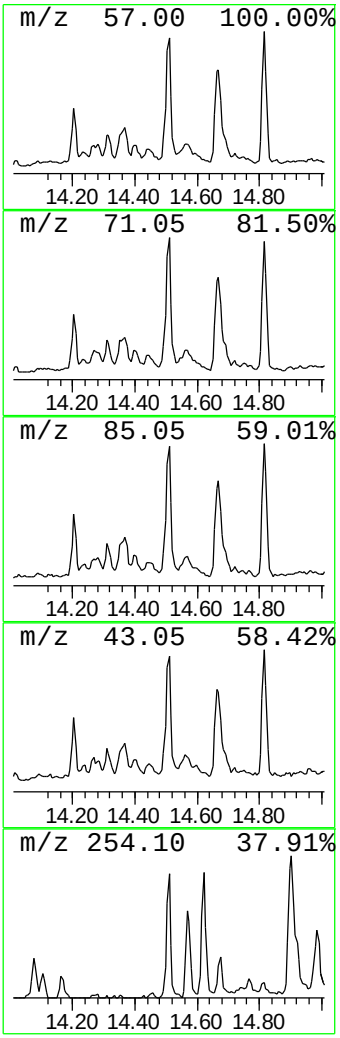
Peak Number 12 Heptadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.51	3.97 ng	431937	Chrysene-d12	14.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	90
2	Octacosane	394	C28H58	000630-02-4	81
3	2-Bromo dodecane	248	C12H25Br	013187-99-0	76
4	Hexacosane	366	C26H54	000630-01-3	76
5	Tetracosane	338	C24H50	000646-31-1	74





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ClientSampleId : RBR-200027

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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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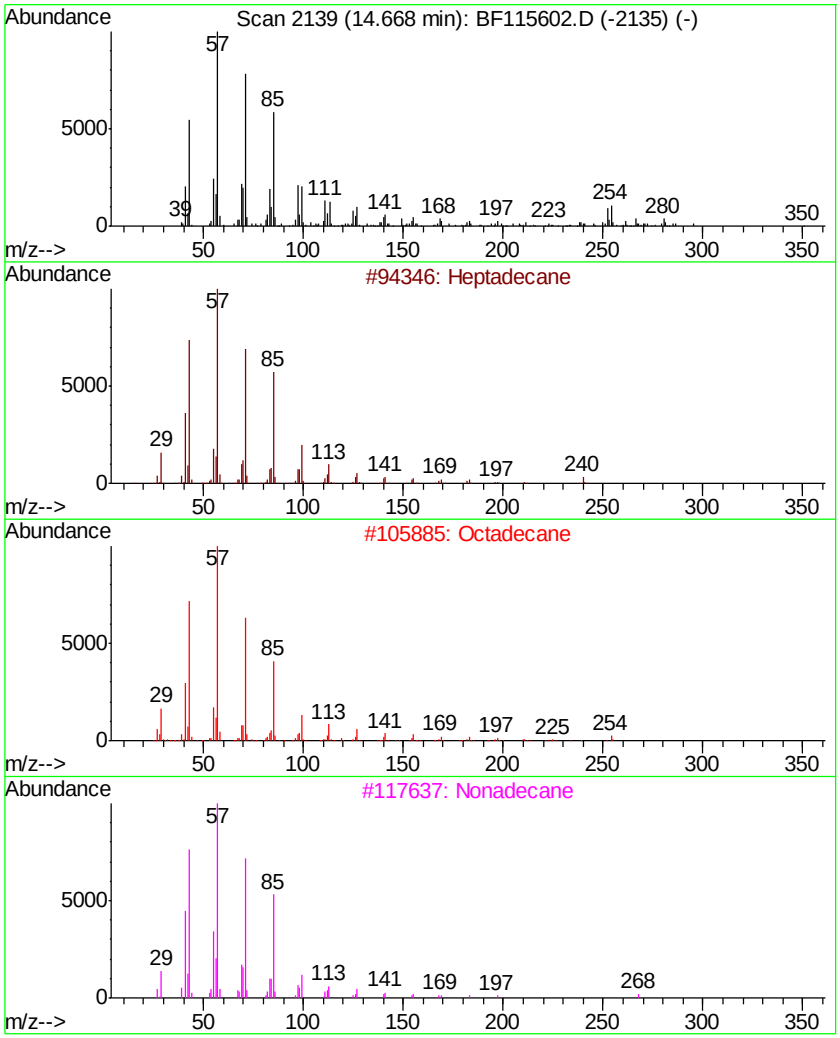
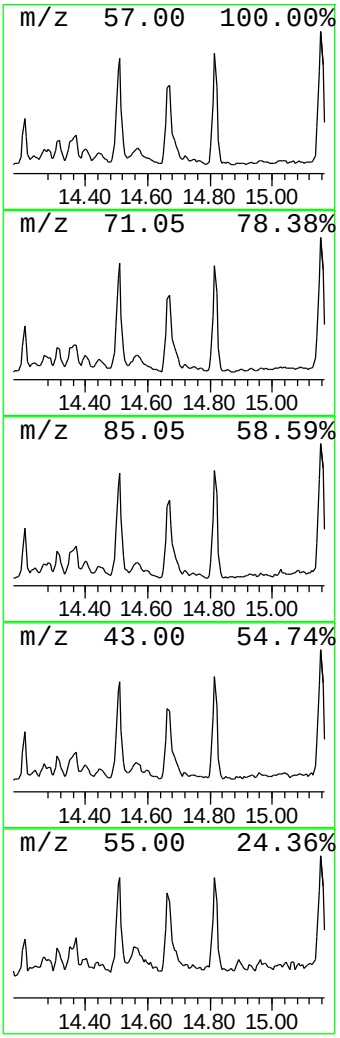
Peak Number 13 Octadecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.67	3.36 ng	365472	Chrysene-d12	14.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	93
2	Octadecane	254	C18H38	000593-45-3	90
3	Nonadecane	268	C19H40	000629-92-5	89
4	Eicosane	282	C20H42	000112-95-8	76
5	Dodecane, 2-methyl-	184	C13H28	001560-97-0	76





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Instrument : BNA_F
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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TIC Integration Parameters: LSCINT.P

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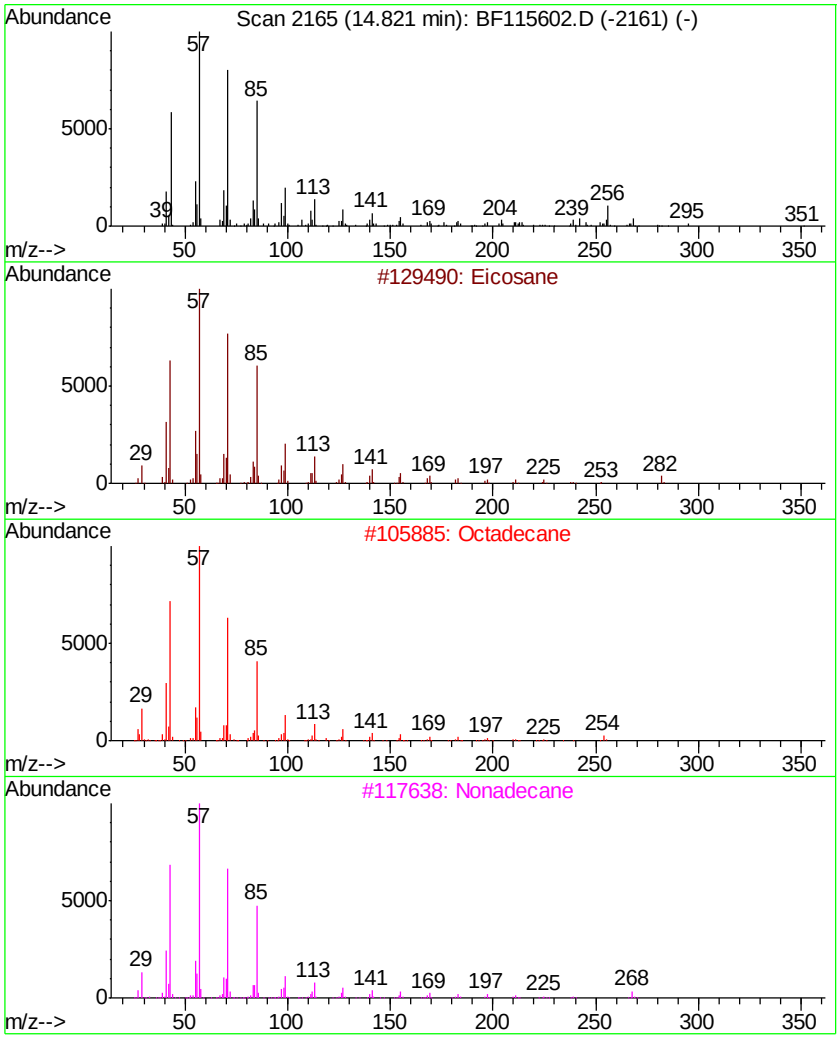
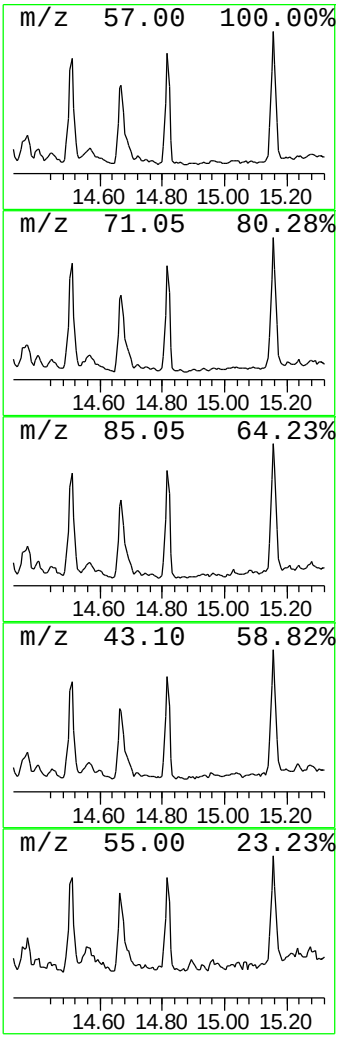
Peak Number 14 Eicosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	4.08 ng	257565	Perylene-d12	15.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	98
2	Octadecane	254	C18H38	000593-45-3	96
3	Nonadecane	268	C19H40	000629-92-5	91
4	Hexadecane	226	C16H34	000544-76-3	90
5	Heneicosane	296	C21H44	000629-94-7	87





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Misc :
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Instrument : BNA_F
ClientSampleId : RBR-200027

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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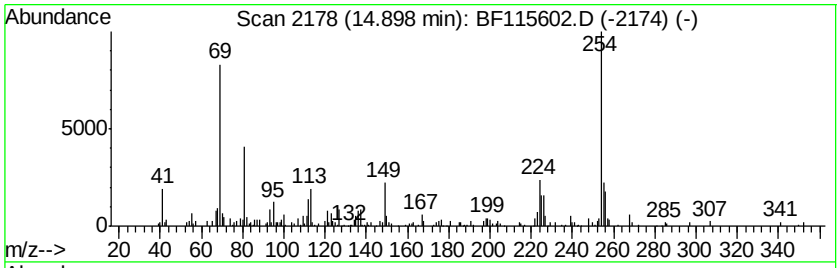
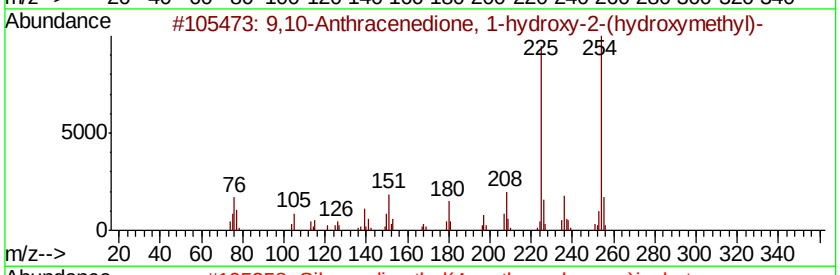
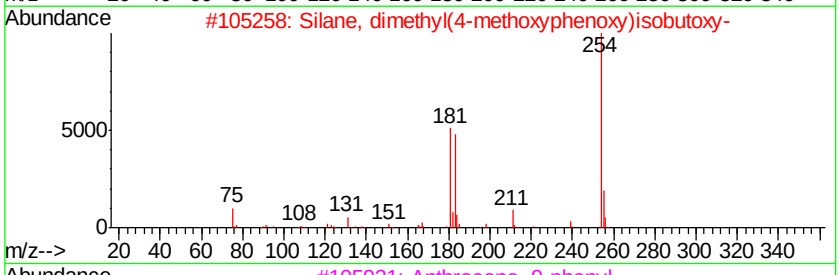
Peak Number 15 unknown14.90 Concentration Rank 14

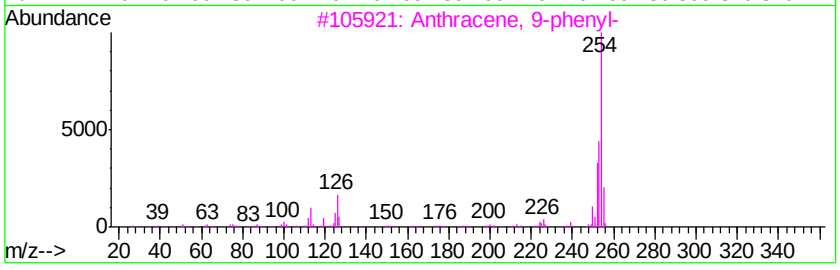
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.90	2.35 ng	148407	Perylene-d12	15.51

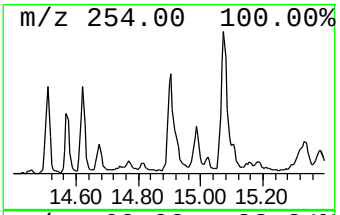
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione, 1-hydroxy-...	254	C15H10O4	024094-45-9	47
2	Silane, dimethyl(4-methoxyphenox...	254	C13H22O3Si	1000347-14-1	43
3	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	35
4	Chrysin	254	C15H10O4	000480-40-0	27
5	1-Propene, 1,2-bis(4-methoxyphen...	254	C17H18O2	020802-02-2	27

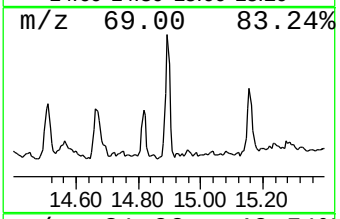


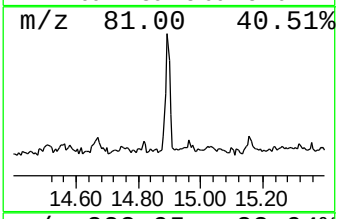


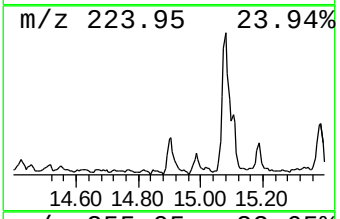


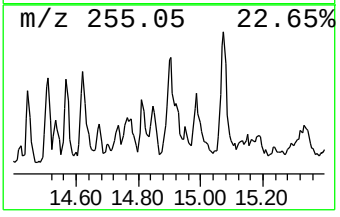












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Instrument : BNA_F
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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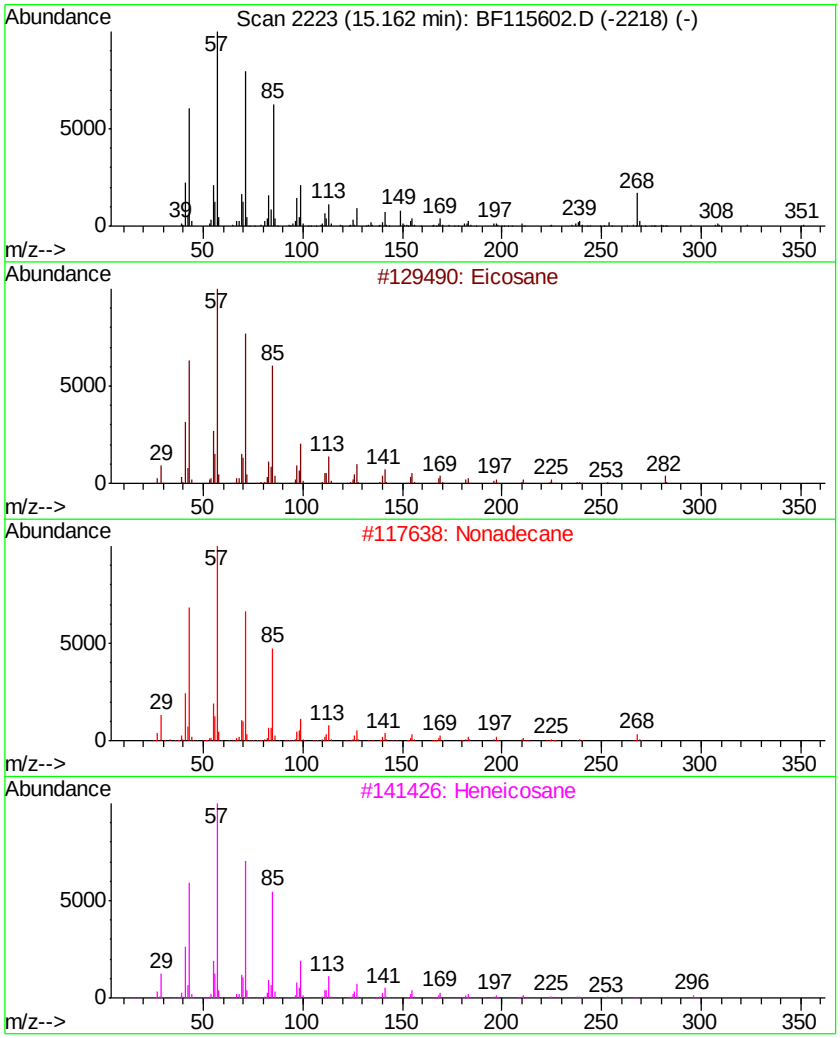
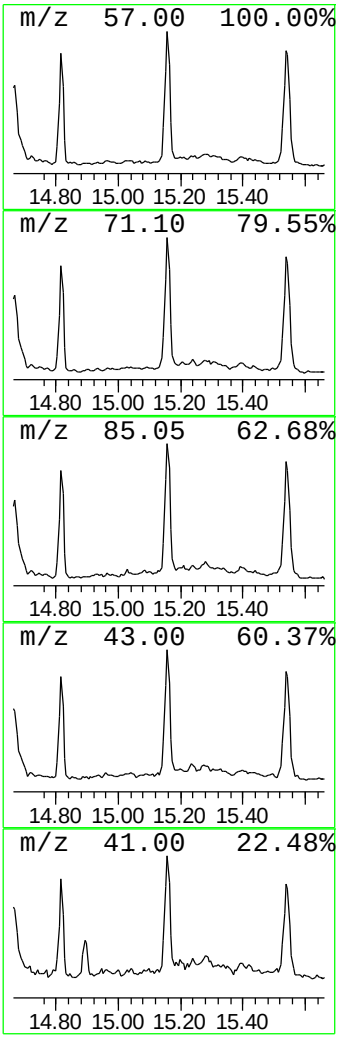
Peak Number 16 Nonadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.16	5.14 ng	324051	Perylene-d12	15.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	91
2	Nonadecane	268	C19H40	000629-92-5	91
3	Heneicosane	296	C21H44	000629-94-7	87
4	Nonadecane, 4-methyl-	282	C20H42	025117-27-5	86
5	Octadecane	254	C18H38	000593-45-3	83





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Data File : BF115602.D
Acq On : 16 Jul 2019 17:30
Operator : HP/JU
Sample : K3830-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200027

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.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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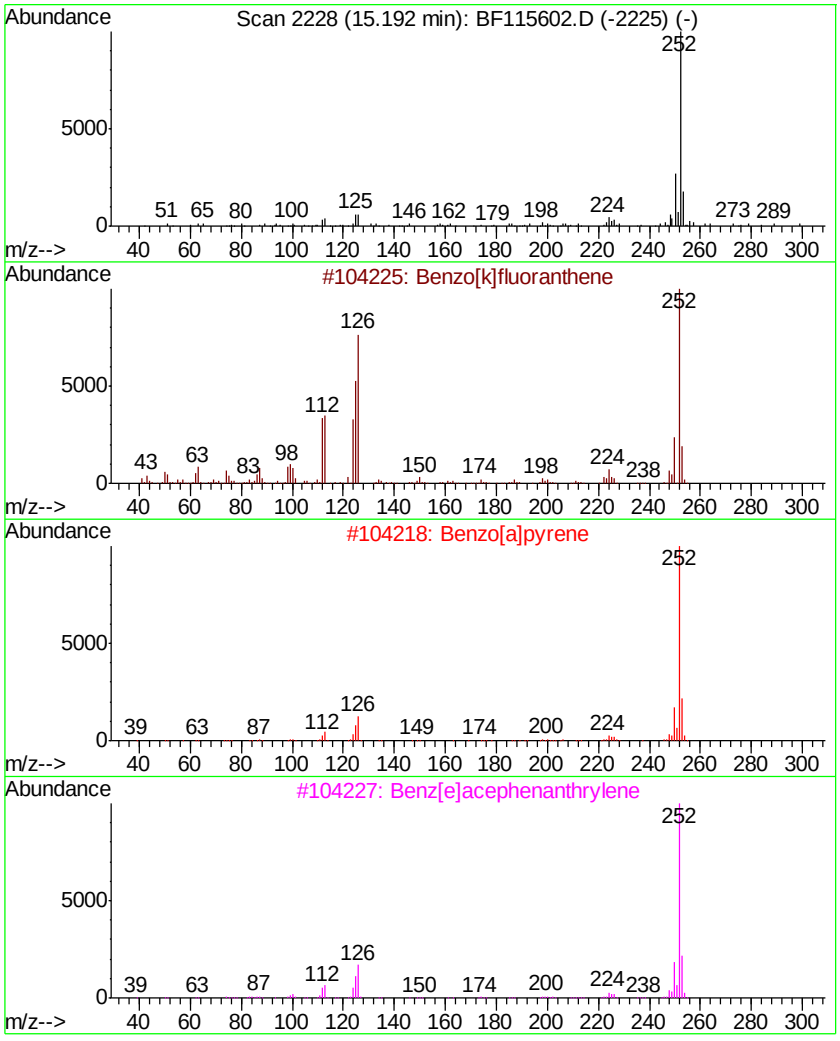
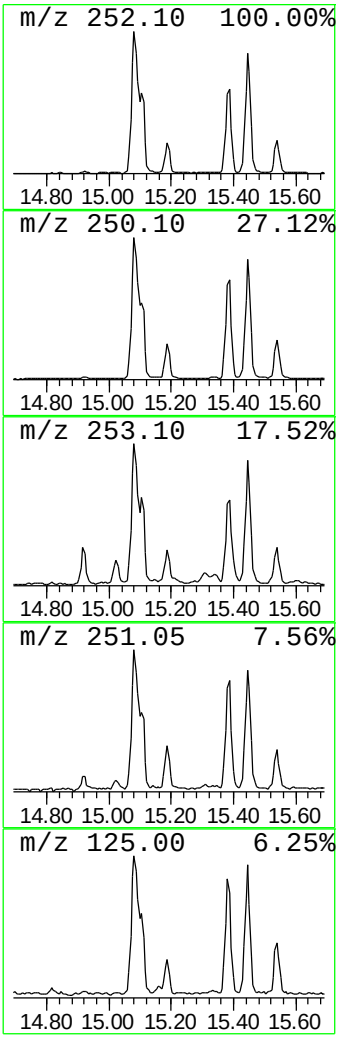
Peak Number 17 Benzo[e]pyrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	2.34 ng	147614	Perylene-d12	15.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
2	Benzo[a]pyrene	252	C20H12	000050-32-8	91
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
4	Benzo[e]pyrene	252	C20H12	000192-97-2	90
5	Perylene	252	C20H12	000198-55-0	74





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Acq On : 16 Jul 2019 17:30
Operator : HP/JU
Sample : K3830-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200027

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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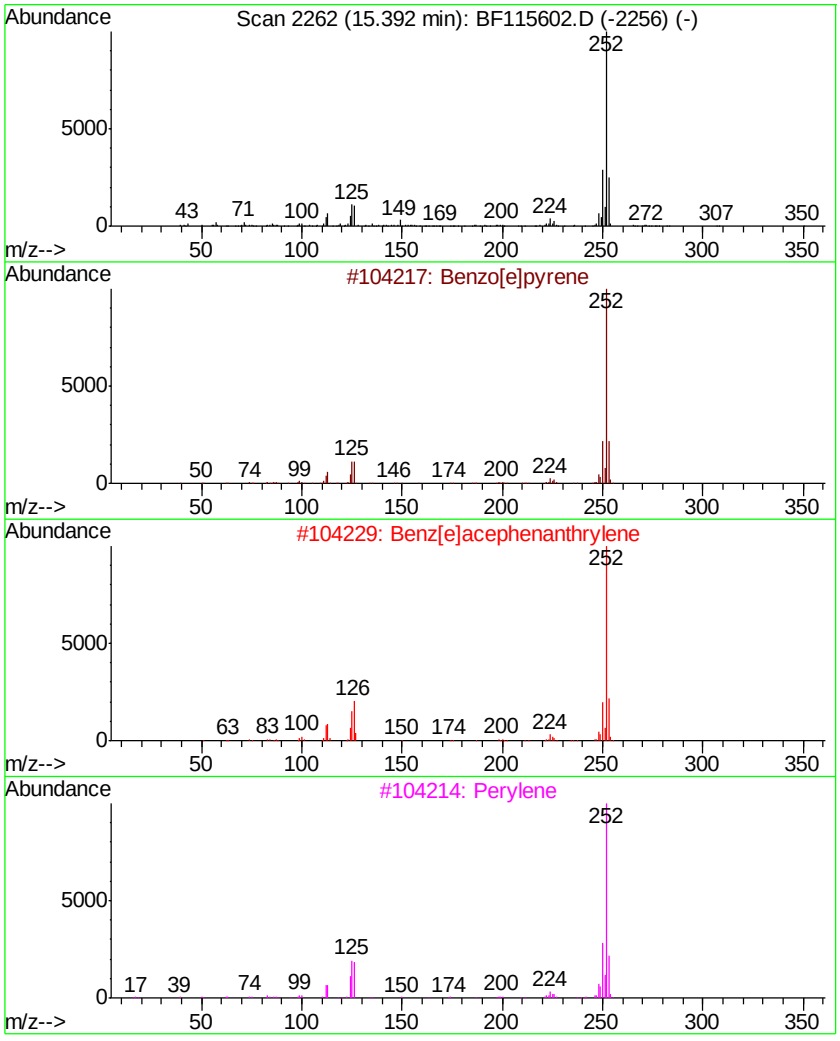
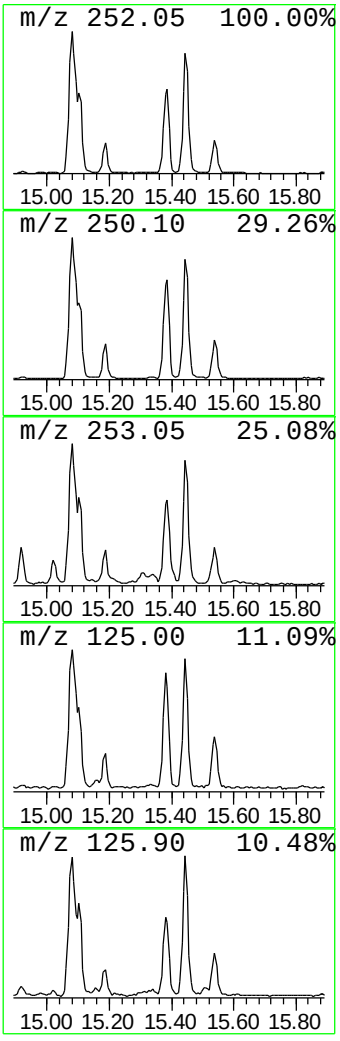
Peak Number 18 Perylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.39	8.67 ng	546726	Perylene-d12	15.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
3	Perylene	252	C20H12	000198-55-0	90
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	86





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071619\
Data File : BF115602.D
Acq On : 16 Jul 2019 17:30
Operator : HP/JU
Sample : K3830-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200027

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.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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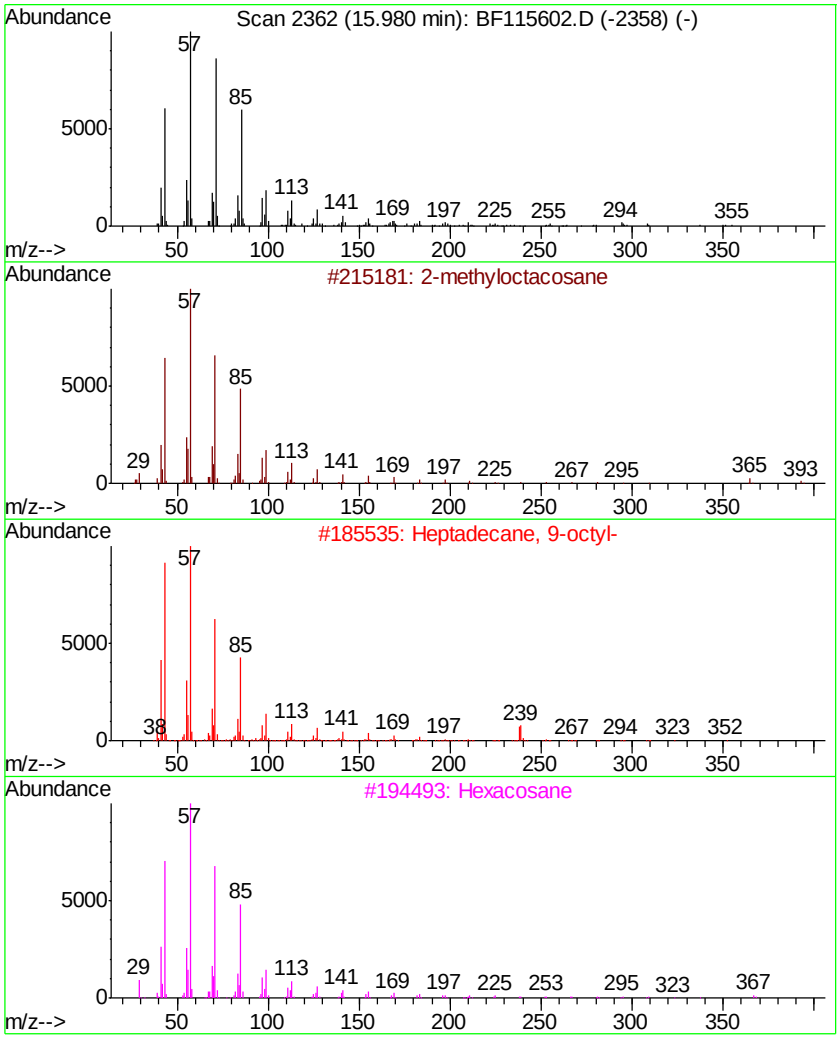
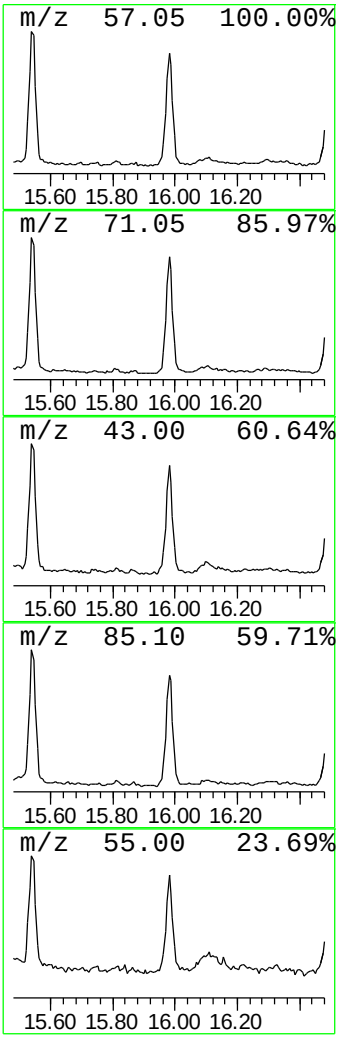
Peak Number 19 2-methyloctacosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.98	5.40 ng	340531	Perylene-d12	15.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-methyloctacosane	408	C29H60	1000376-72-8	91
2	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
3	Hexacosane	366	C26H54	000630-01-3	91
4	Heneicosane	296	C21H44	000629-94-7	91
5	Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	91





Library Search Compound Report

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Data File : BF115602.D
Acq On : 16 Jul 2019 17:30
Operator : HP/JU
Sample : K3830-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200027

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.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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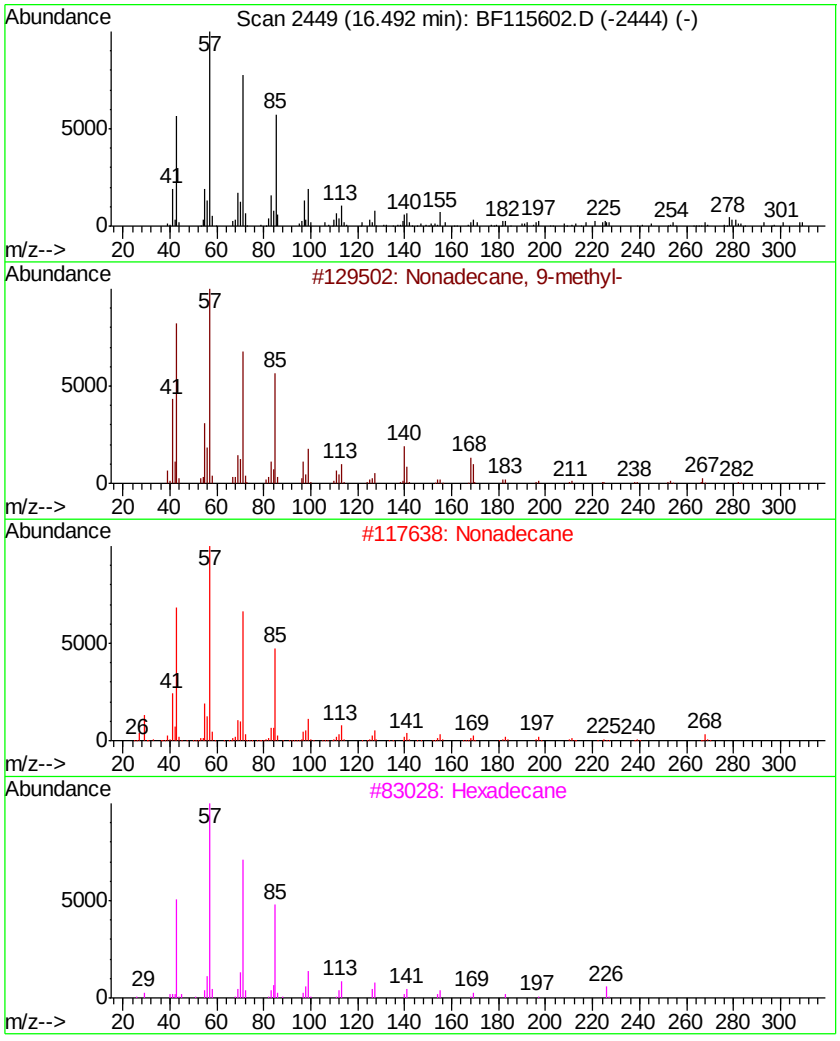
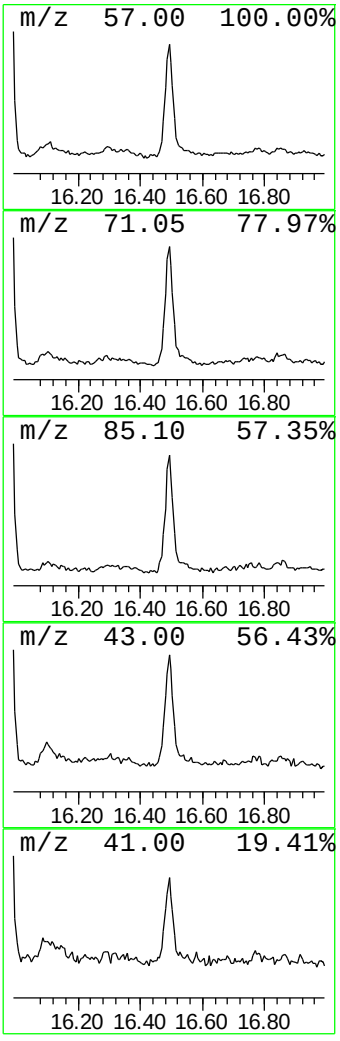
Peak Number 20 Nonadecane, 9-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.49	3.20 ng	201635	Perylene-d12	15.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	93
2	Nonadecane	268	C19H40	000629-92-5	93
3	Hexadecane	226	C16H34	000544-76-3	91
4	Octadecane	254	C18H38	000593-45-3	90
5	Hexacosane	366	C26H54	000630-01-3	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071619\
Data File : BF115602.D
Acq On : 16 Jul 2019 17:30
Operator : HP/JU
Sample : K3830-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200027

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.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...	2.19	27.9	ng	1508550	1	6.88	1083110	20.0
unknown6.66	6.66	93.1	ng	5040620	1	6.88	1083110	20.0
Phenanthrene, 2-m...	11.90	2.2	ng	195338	4	11.40	1743850	20.0
Phenanthrene, 1-m...	11.93	5.3	ng	466120	4	11.40	1743850	20.0
4H-Cyclopenta[def...	12.02	4.2	ng	368172	4	11.40	1743850	20.0
Pyrene, 1-methyl-	13.06	2.1	ng	230811	5	14.04	2173600	20.0
11H-Benzo[a]fluor...	13.67	2.0	ng	220054	5	14.04	2173600	20.0
Benzo[b]naphtho[2...	13.79	2.2	ng	239840	5	14.04	2173600	20.0
1-Heneicosanol	13.92	2.5	ng	275874	5	14.04	2173600	20.0
Chrysene, 1-methyl-	14.42	2.2	ng	239387	5	14.04	2173600	20.0
Heptadecane	14.51	4.0	ng	431937	5	14.04	2173600	20.0
Octadecane	14.67	3.4	ng	365472	5	14.04	2173600	20.0
Eicosane	14.82	4.1	ng	257565	6	15.51	1261590	20.0
unknown14.90	14.90	2.4	ng	148407	6	15.51	1261590	20.0
Nonadecane	15.16	5.1	ng	324051	6	15.51	1261590	20.0
Benzo[e]pyrene	15.19	2.3	ng	147614	6	15.51	1261590	20.0
Perylene	15.39	8.7	ng	546726	6	15.51	1261590	20.0
2-methyloctacosane	15.98	5.4	ng	340531	6	15.51	1261590	20.0
Nonadecane, 9-met...	16.49	3.2	ng	201635	6	15.51	1261590	20.0