LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012220\
Data File : BF118672.D
Acq On : 22 Jan 2020 19:45
Operator : CG/JU
Sample : L1215-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200031

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	2.175	8	15	21	rVB	1629059	2248288	27.56%	1.607%
2	5.498	575	580	583	rBV	6226785	6318445	77.44%	4.517%
3	6.169	690	694	702	rVB	283670	269595	3.30%	0.193%
4	6.504	745	751	755	rBV	5974225	6672787	81.78%	4.770%
5	6.875	811	814	818	rBV	2270906	2097806	25.71%	1.500%
6	7.034	837	841	845	rVB	5763407	5540640	67.91%	3.961%
7	7.434	904	909	912	rBV	4425124	4330498	53.08%	3.096%
8	8.157	1028	1032	1035	rBV	2884302	2746345	33.66%	1.963%
9	9.233	1211	1215	1219	rBV	8196825	8159124	100.00%	5.833%
10	9.322	1226	1230	1234	rBV2	208665	225157	2.76%	0.161%
11	9.575	1269	1273	1275	rBV	167751	164536	2.02%	0.118%
12	9.628	1278	1282	1289	rVV	1739276	1536477	18.83%	1.098%
13	9.775	1304	1307	1312	rBV	285807	302086	3.70%	0.216%
14	9.916	1325	1331	1334	rBV	3832270	3436669	42.12%	2.457%
15	9.945	1334	1336	1339	rVB	298385	225697	2.77%	0.161%
16	10.116	1362	1365	1368	rVB	196481	168521	2.07%	0.120%
17	10.463	1421	1424	1429	rVB	426768	405472	4.97%	0.290%
18	10.704	1460	1465	1468	rBV	5495095	5258941	64.45%	3.760%
19	10.822	1482	1485	1492	rVB3	152133	181600	2.23%	0.130%
20	11.010	1509	1517	1520	rBV4	139429	216985	2.66%	0.155%
21	11.204	1547	1550	1554	rVB	169930	171113	2.10%	0.122%
22	11.292	1563	1565	1571	rVB	280839	279958	3.43%	0.200%
23	11.398	1579	1583	1585	rBV	3414457	3138218	38.46%	2.243%
24	11.422	1585	1587	1591	rVV	4152085	3878763	47.54%	2.773%
25	11.475	1591	1596	1599	rVV	828791	801282	9.82%	0.573%
26	11.504	1599	1601	1605	rVB2	133045	143182	1.75%	0.102%
27	11.622	1616	1621	1625	rBV2	545954	600443	7.36%	0.429%
28	11.727	1636	1639	1644	rVB3	198406	198772	2.44%	0.142%
29	11.904	1665	1669	1670	rVV	671220	655538	8.03%	0.469%
30	11.927	1670	1673	1678	rVV	1911291	1737871	21.30%	1.242%
31	11.974	1678	1681	1684	rVV	248739	266938	3.27%	0.191%
32	12.016	1684	1688	1690	rVV2	1151887	1282330	15.72%	0.917%
33	12.033	1690	1691	1695	rVB	497911	340123	4.17%	0.243%
34	12.192	1715	1718	1720	rBV	479212	453926	5.56%	0.325%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012220\
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Acq On : 22 Jan 2020 19:45
Operator : CG/JU
Sample : L1215-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200031

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	12.216	1720	1722	1727	rVB2	623860	511352	6.27%	0.366%
36	12.345	1738	1744	1747	rBV2	171012	222533	2.73%	0.159%
37	12.374	1747	1749	1751	rVV	162944	136531	1.67%	0.098%
38	12.451	1758	1762	1765	rBV	508868	545658	6.69%	0.390%
39	12.486	1765	1768	1770	rVV2	239061	272360	3.34%	0.195%
40	12.533	1773	1776	1781	rVB4	313524	421795	5.17%	0.302%
41	12.616	1785	1790	1793	rBV	6384477	5872064	71.97%	4.198%
42	12.674	1793	1800	1803	rVB3	144214	276507	3.39%	0.198%
43	12.710	1803	1806	1808	rBV2	313080	305031	3.74%	0.218%
44	12.763	1813	1815	1822	rVB	270260	298528	3.66%	0.213%
45	12.845	1822	1829	1832	rBV2	5148133	6122677	75.04%	4.377%
46	12.886	1834	1836	1841	rVB2	253952	301706	3.70%	0.216%
47	12.957	1845	1848	1849	rBV	319887	262997	3.22%	0.188%
48	12.986	1849	1853	1856	rVV	7253574	7042837	86.32%	5.035%
49	13.057	1860	1865	1868	rBV2	439230	664878	8.15%	0.475%
50	13.145	1877	1880	1881	rBV2	358556	342739	4.20%	0.245%
51	13.169	1881	1884	1887	rVB	1030207	957565	11.74%	0.685%
52	13.233	1890	1895	1898	rBV	685587	598464	7.33%	0.428%
53	13.269	1898	1901	1905	rBV2	591577	634204	7.77%	0.453%
54	13.363	1914	1917	1920	rBV	362797	288343	3.53%	0.206%
55	13.392	1920	1922	1926	rVB	366975	329562	4.04%	0.236%
56	13.504	1938	1941	1945	rVB2	536521	447018	5.48%	0.320%
57	13.668	1966	1969	1974	rVB	412719	508109	6.23%	0.363%
58	13.786	1984	1989	1991	rBV2	613792	744848	9.13%	0.532%
59	13.816	1991	1994	1996	rVV	502204	525781	6.44%	0.376%
60	13.839	1996	1998	2001	rVV2	449262	546940	6.70%	0.391%
61	13.874	2001	2004	2011	rVV3	1273622	1555746	19.07%	1.112%
62	13.951	2015	2017	2021	rVV	158263	184070	2.26%	0.132%
63	14.033	2023	2031	2034	rBV3	3836627	6076201	74.47%	4.344%
64	14.063	2034	2036	2041	rVV	2999297	2589870	31.74%	1.851%
65	14.145	2047	2050	2052	rVV	470562	453128	5.55%	0.324%
66	14.174	2052	2055	2057	rVV	244815	279107	3.42%	0.200%
67	14.204	2057	2060	2062	rVV2	418785	534239	6.55%	0.382%
68	14.251	2065	2068	2073	rVV2	346962	438999	5.38%	0.314%
69	14.357	2083	2086	2089	rBV3	153143	154772	1.90%	0.111%
70	14.386	2089	2091	2093	rVV	183948	193175	2.37%	0.138%
71	14.421	2093	2097	2100	rVV3	880320	1119627	13.72%	0.800%

LSC Area Percent Report

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Acq On : 22 Jan 2020 19:45
Operator : CG/JU
Sample : L1215-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200031

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

72	14.457	2100	2103	2106	rVV	497321	489369	6.00%	0.350%
73	14.510	2106	2112	2116	rVV3	1275551	1653073	20.26%	1.182%
74	14.545	2116	2118	2120	rVV	462921	492567	6.04%	0.352%
75	14.568	2120	2122	2125	rVV2	489740	439906	5.39%	0.314%
76	14.615	2125	2130	2136	rVB4	216478	422966	5.18%	0.302%
77	14.721	2145	2148	2152	rBV4	127792	224250	2.75%	0.160%
78	14.815	2160	2164	2168	rBV2	655932	810495	9.93%	0.579%
79	14.898	2174	2178	2180	rBV3	297595	353206	4.33%	0.253%
80	14.963	2186	2189	2191	rBV2	276517	273568	3.35%	0.196%
81	15.080	2204	2209	2212	rBV	2811659	4407561	54.02%	3.151%
82	15.157	2219	2222	2225	rBV	923037	1179951	14.46%	0.844%
83	15.186	2225	2227	2233	rVB	753350	761542	9.33%	0.544%
84	15.274	2239	2242	2244	rBV2	147812	190025	2.33%	0.136%
85	15.386	2256	2261	2267	rVB	1779668	2406768	29.50%	1.721%
86	15.445	2267	2271	2277	rBV	2378314	3088727	37.86%	2.208%
87	15.510	2277	2282	2285	rBV	2187918	2893439	35.46%	2.069%
88	15.545	2285	2288	2294	rVB3	1116390	1546381	18.95%	1.105%
89	15.745	2318	2322	2327	rVB3	604571	970669	11.90%	0.694%
90	15.874	2341	2344	2350	rVB2	169557	264026	3.24%	0.189%
91	15.986	2359	2363	2368	rBV	720658	1104670	13.54%	0.790%
92	16.033	2368	2371	2375	rVV2	326937	523935	6.42%	0.375%
93	16.074	2375	2378	2388	rVB2	245209	446519	5.47%	0.319%
94	16.221	2400	2403	2407	rBV	105232	166159	2.04%	0.119%
95	16.498	2447	2450	2454	rBV	138973	194697	2.39%	0.139%
96	16.792	2494	2500	2511	rBV4	527446	1489670	18.26%	1.065%
97	16.986	2527	2533	2544	rVB2	1200578	2388531	29.27%	1.708%
98	17.162	2559	2563	2569	rBV	191745	444018	5.44%	0.317%
99	17.433	2602	2609	2625	rVB	1030272	2301585	28.21%	1.645%
100	17.668	2644	2649	2663	rVB2	272152	738517	9.05%	0.528%

Sum of corrected areas: 139880877

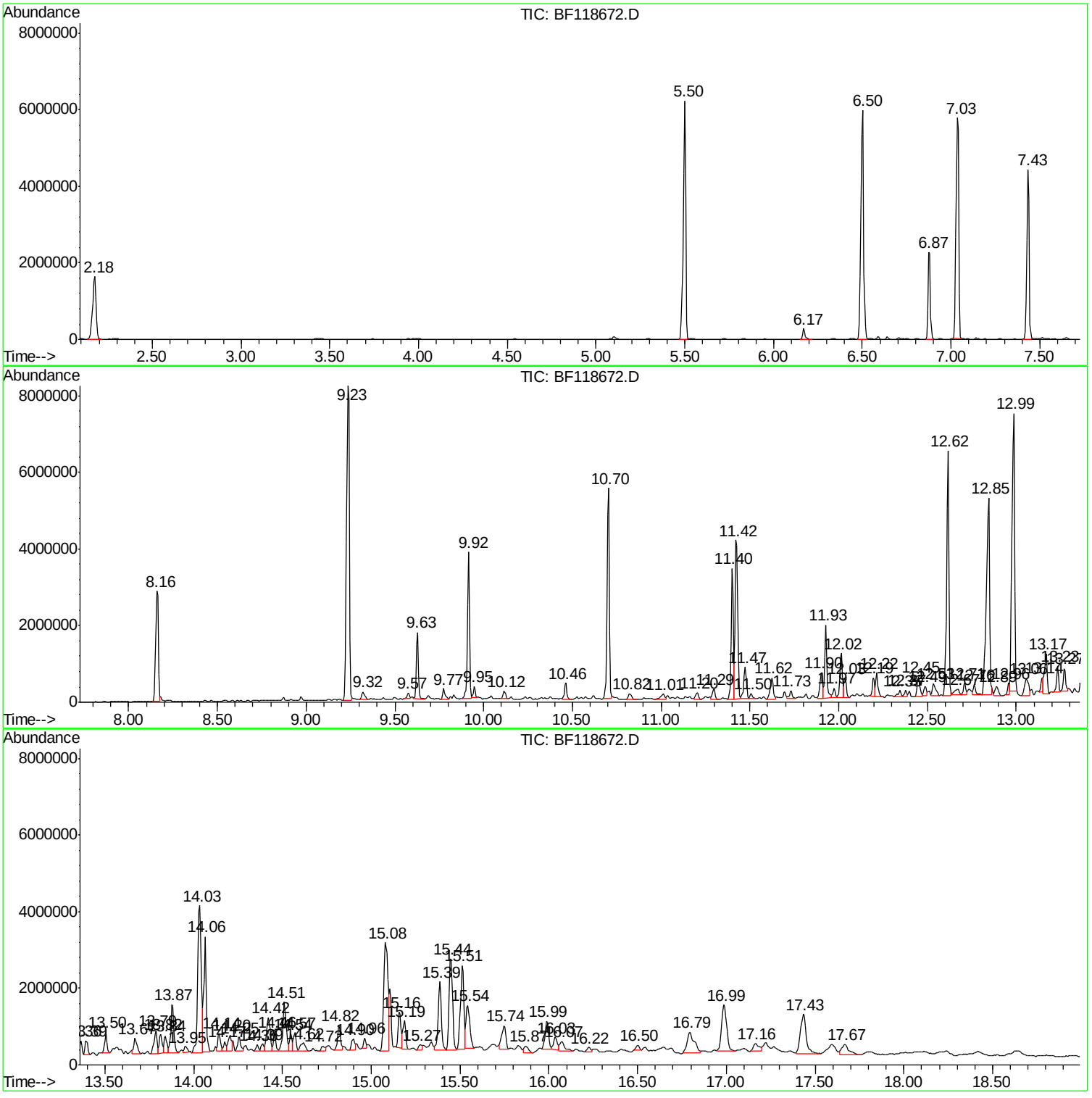
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012220\
Data File : BF118672.D
Acq On : 22 Jan 2020 19:45
Operator : CG/JU
Sample : L1215-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200031

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\BF012220\
Data File : BF118672.D
Acq On : 22 Jan 2020 19:45
Operator : CG/JU
Sample : L1215-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200031

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

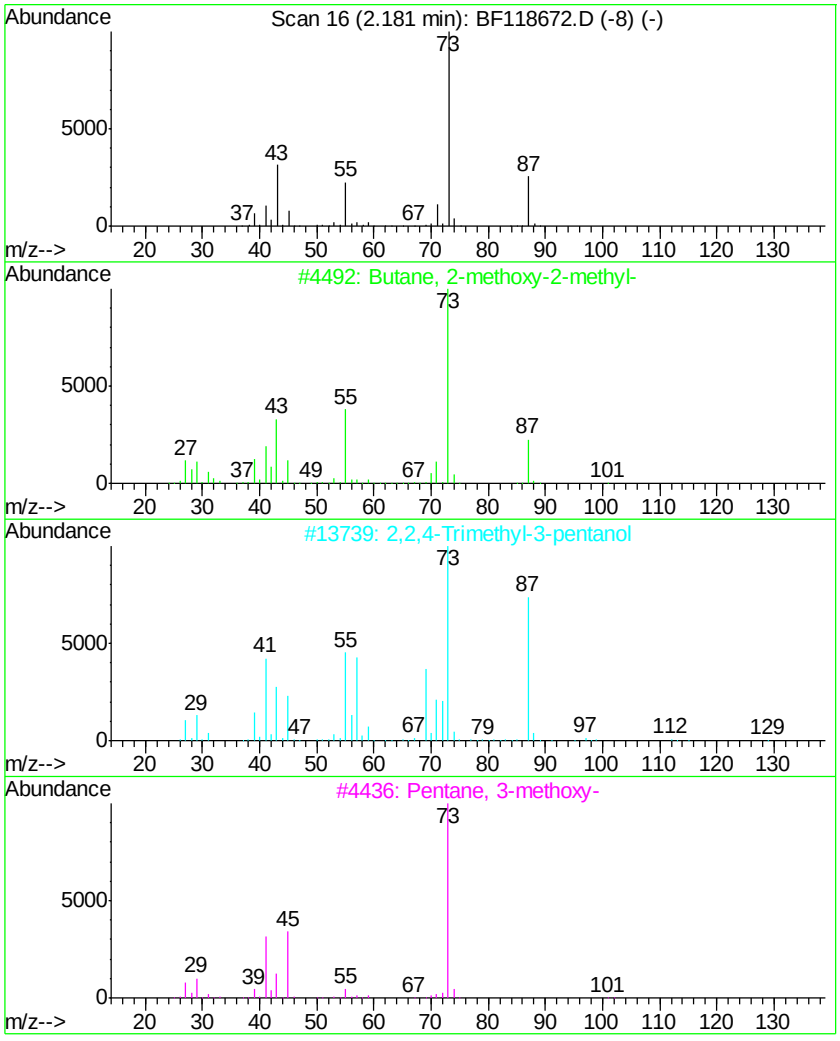
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

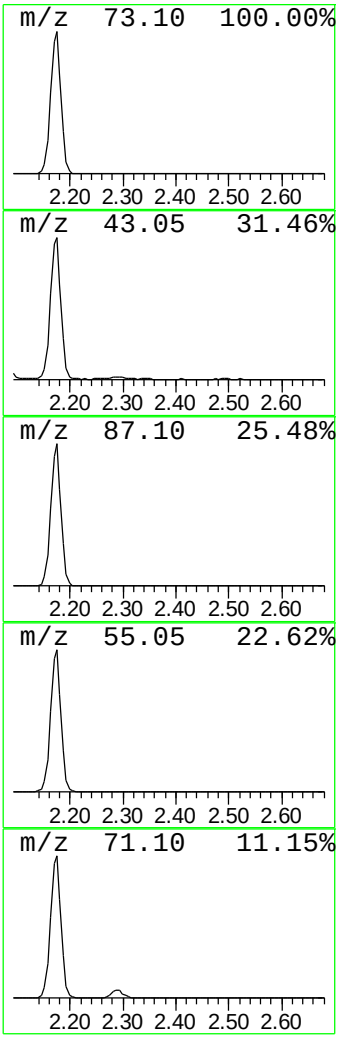
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.18	21.43 ng	2248290	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	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17
5	Borane, dimethoxy-	74	C2H7BO2	004542-61-4	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012220\
Data File : BF118672.D
Acq On : 22 Jan 2020 19:45
Operator : CG/JU
Sample : L1215-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200031

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

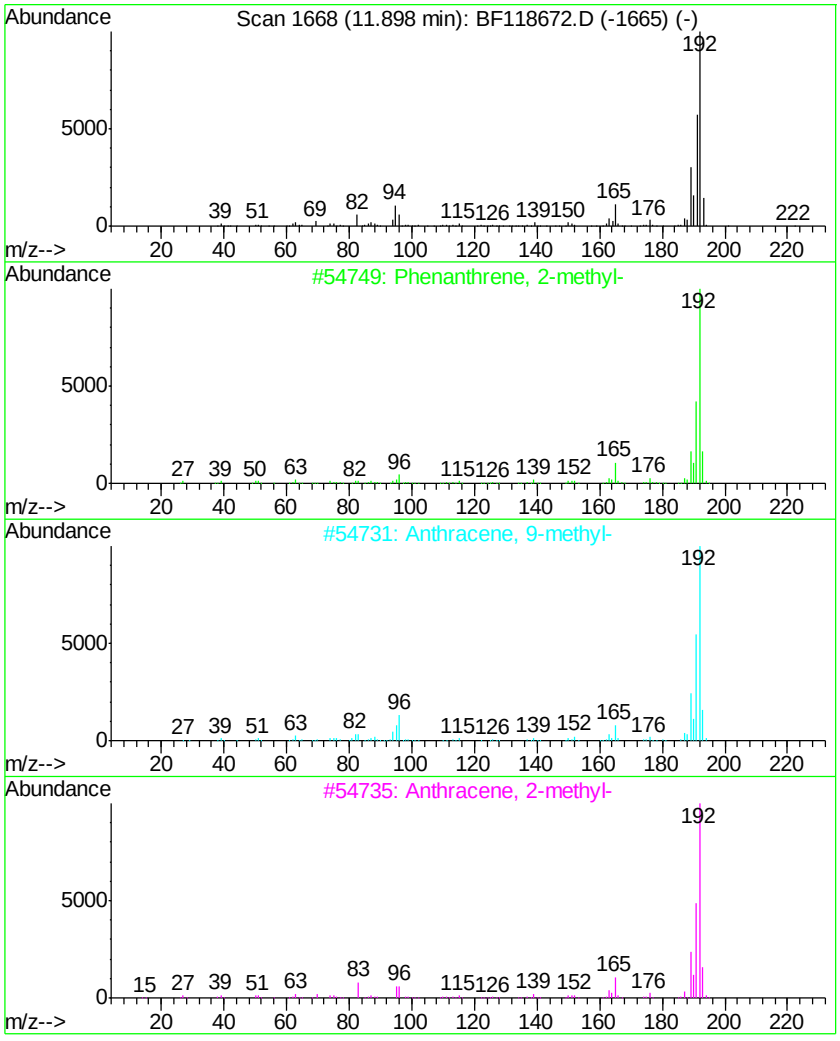
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

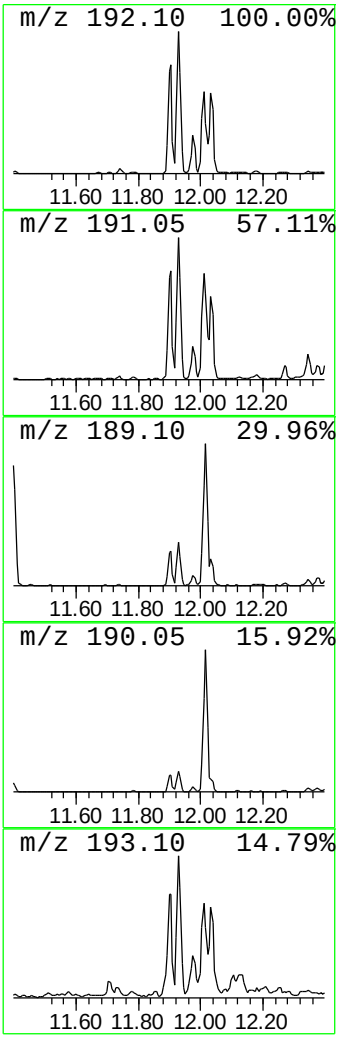
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	4.18 ng	655538	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012220\
Data File : BF118672.D
Acq On : 22 Jan 2020 19:45
Operator : CG/JU
Sample : L1215-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200031

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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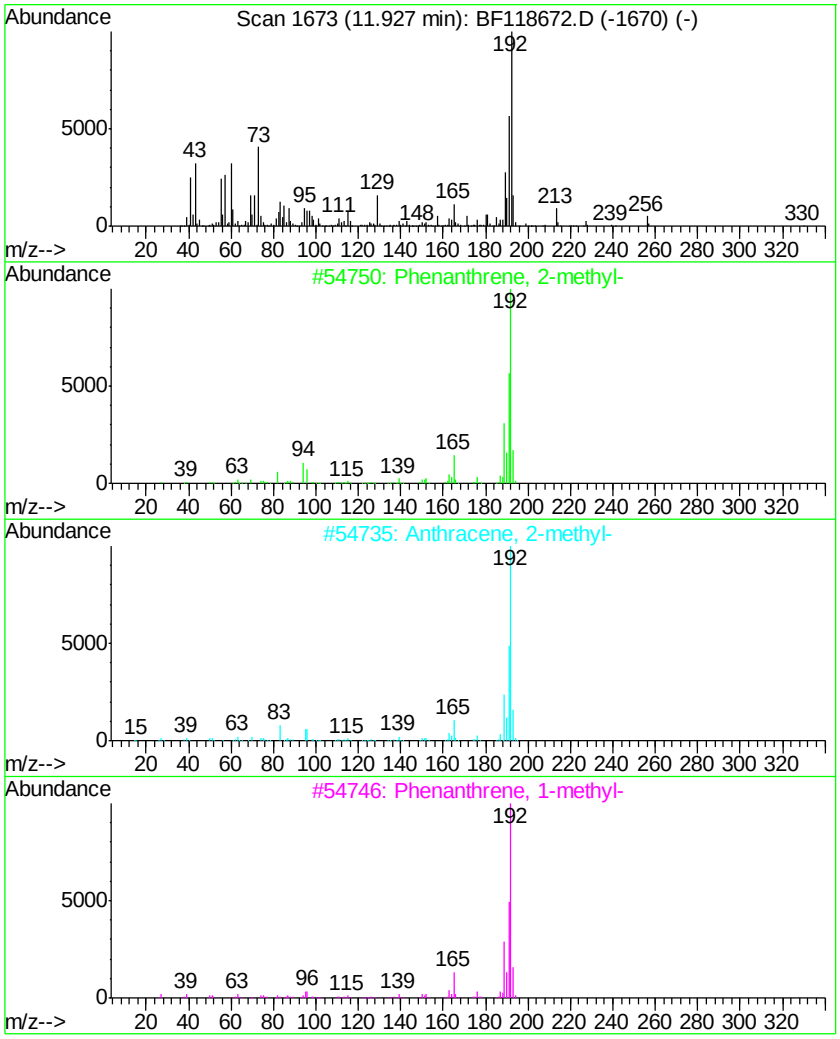
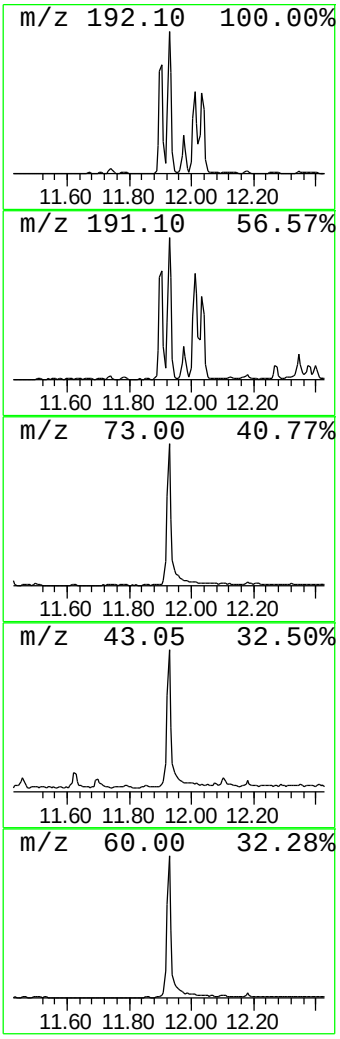
Peak Number 4 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	11.08 ng	1737870	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	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012220\
Data File : BF118672.D
Acq On : 22 Jan 2020 19:45
Operator : CG/JU
Sample : L1215-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200031

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

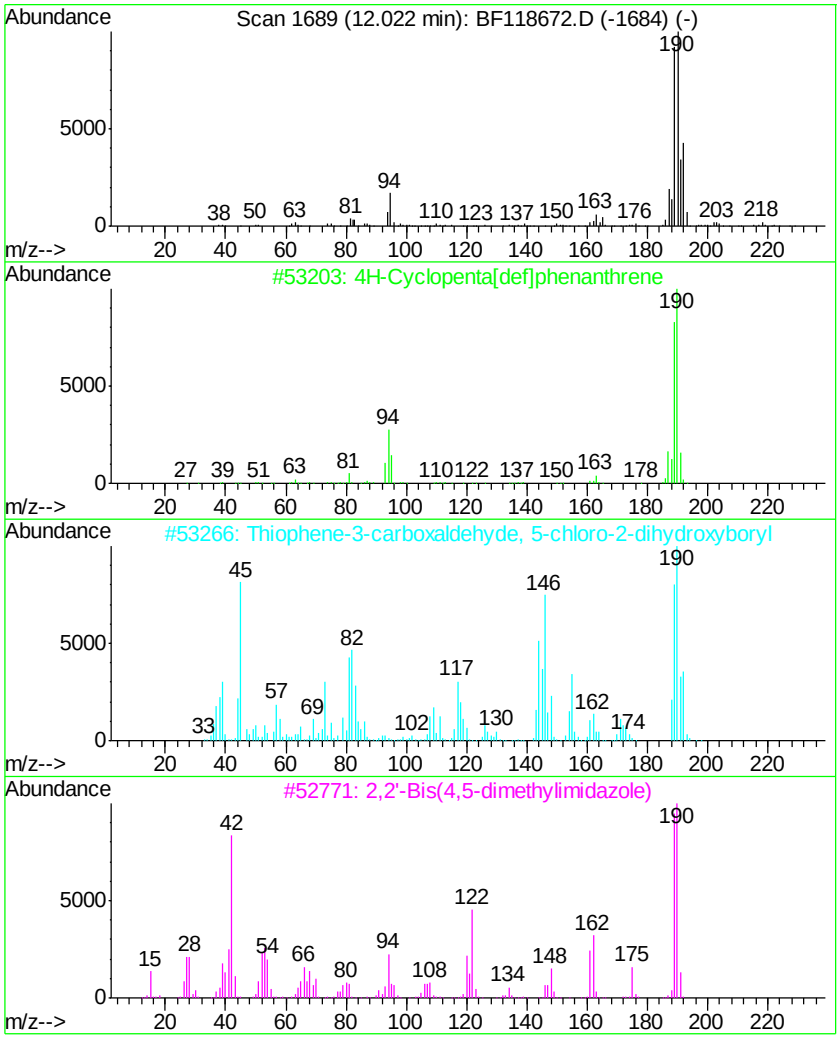
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

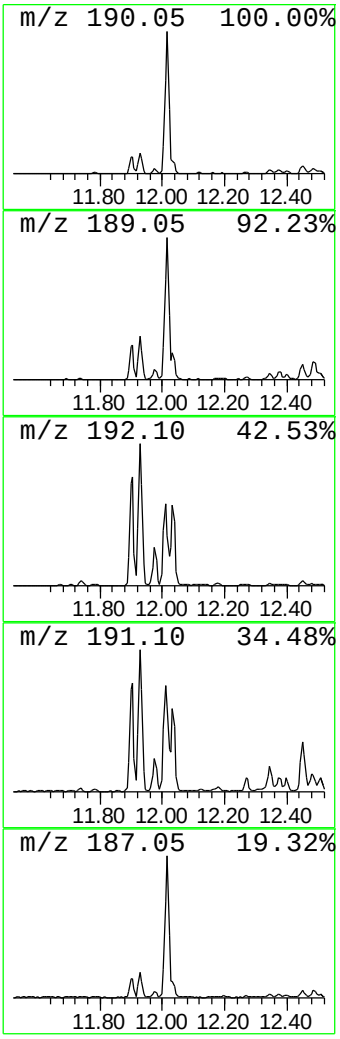
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	8.17 ng	1282330	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
4	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	30
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012220\
Data File : BF118672.D
Acq On : 22 Jan 2020 19:45
Operator : CG/JU
Sample : L1215-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200031

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

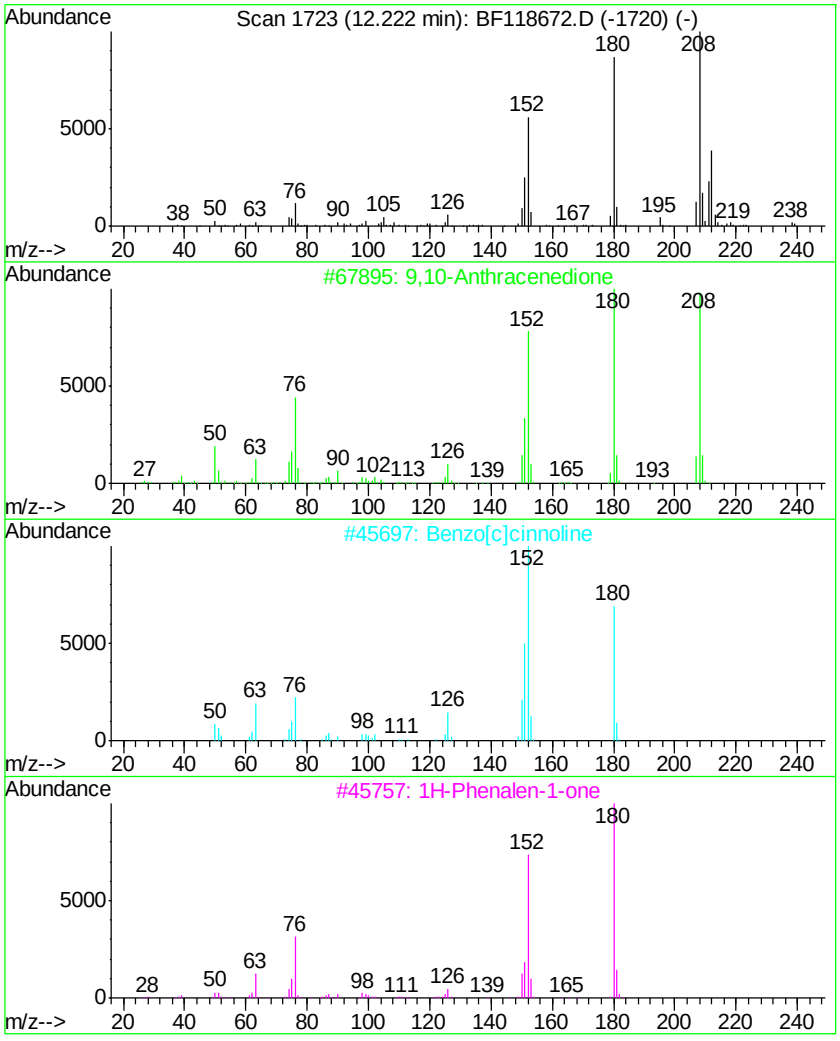
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

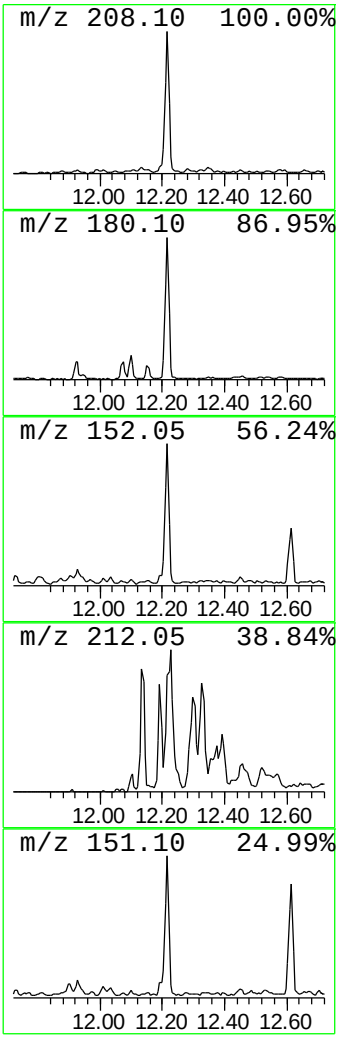
****

Peak Number 6 9,10-Anthracenedione Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.22	3.26 ng	511352	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	55
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	55
4	1,4-Anthracenedione	208	C14H8O2	000635-12-1	53
5	5,6-Dimethyl-1,10-phenanthroline	208	C14H12N2	003002-81-1	43





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Acq On : 22 Jan 2020 19:45
Operator : CG/JU
Sample : L1215-02
Misc :
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Instrument : BNA_F
ClientSampleId : RBR-200031

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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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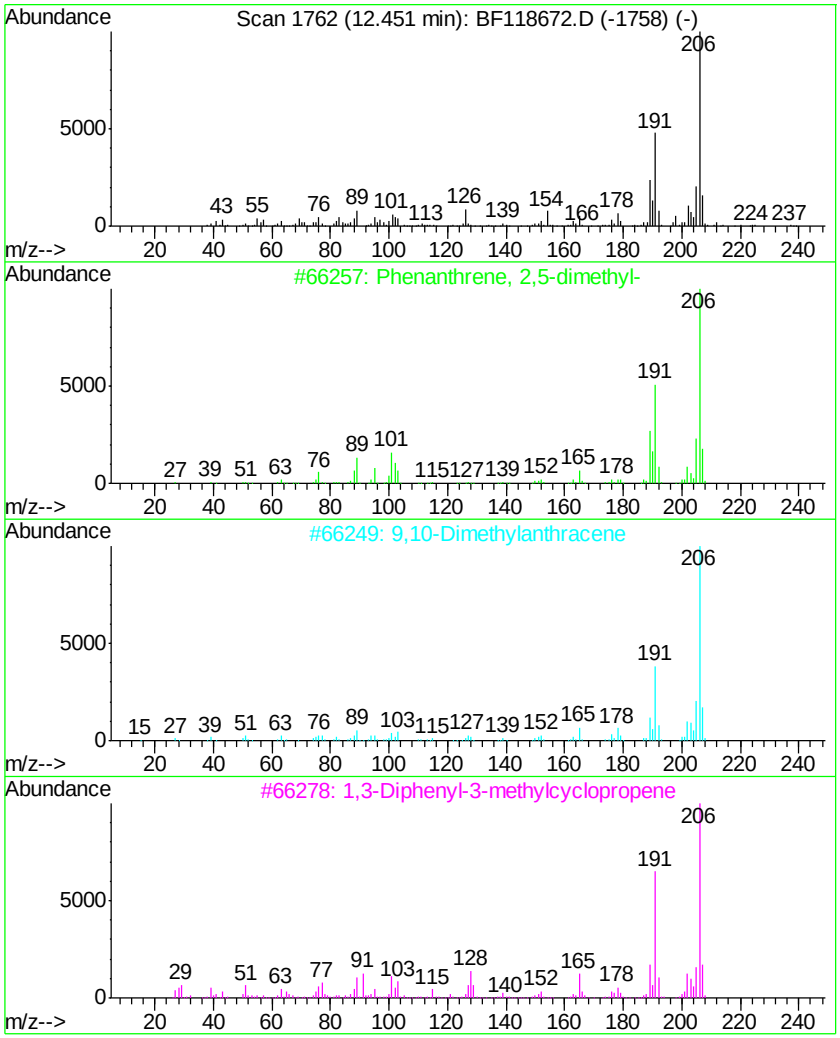
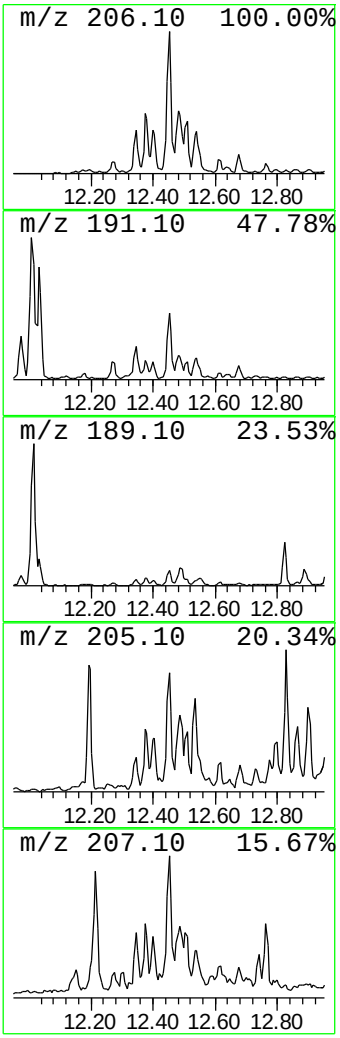
Peak Number 7 Phenanthrene, 2,5-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	3.48 ng	545658	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
3	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	90
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	89
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87





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ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200031

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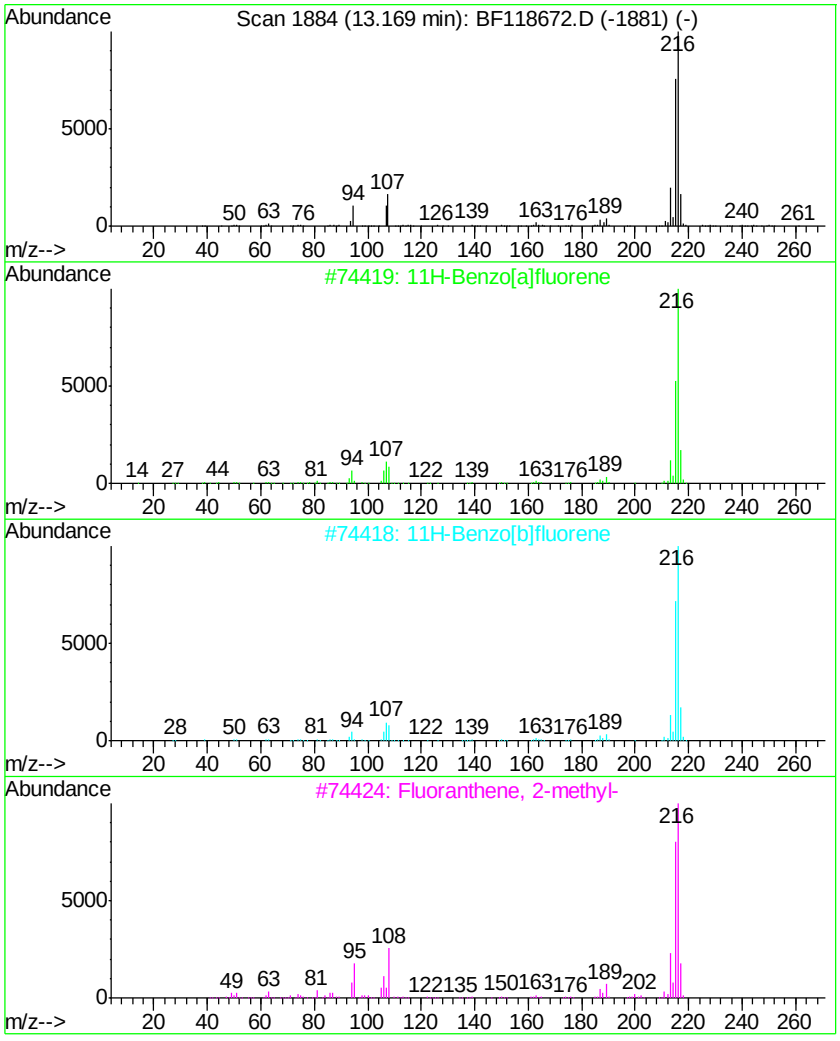
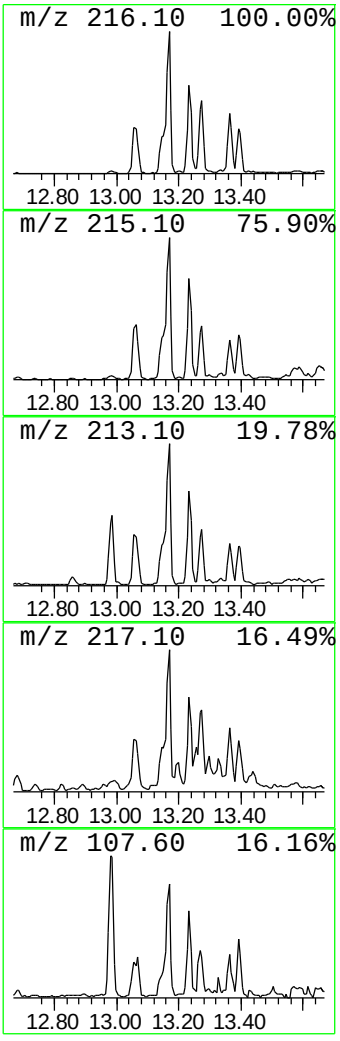
Peak Number 8 11H-Benzo[a]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	3.15 ng	957565	Chrysene-d12	14.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	68
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	56
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	46





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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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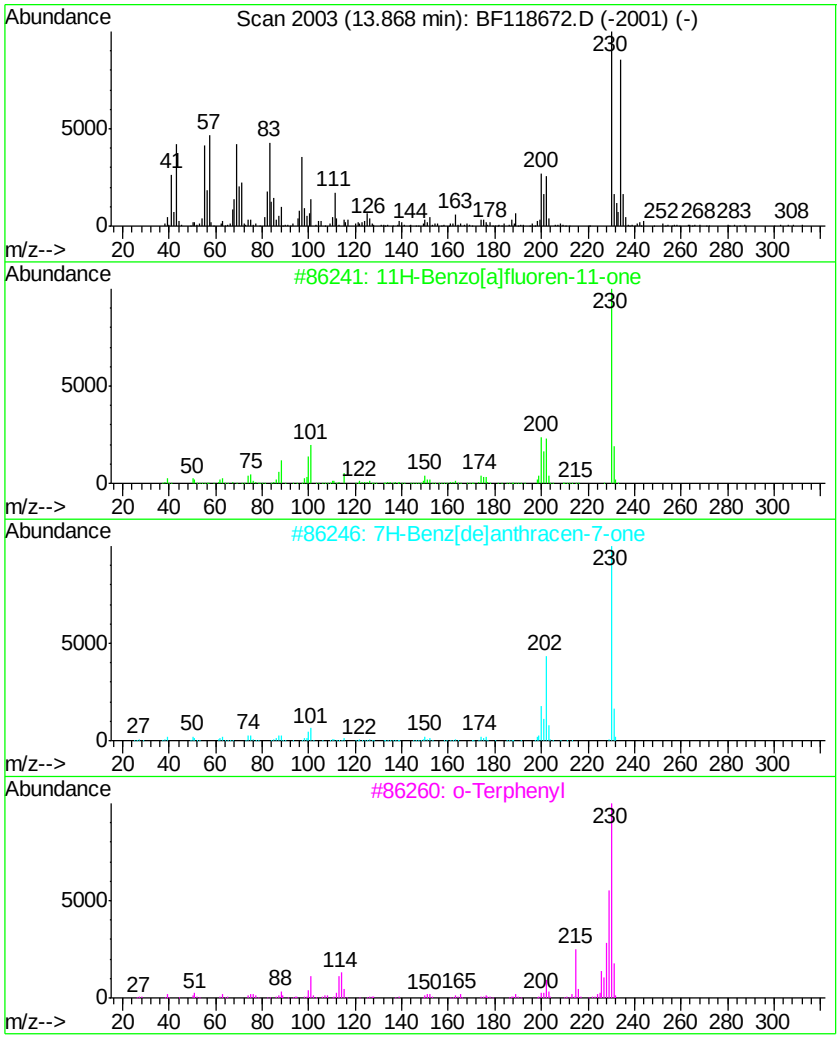
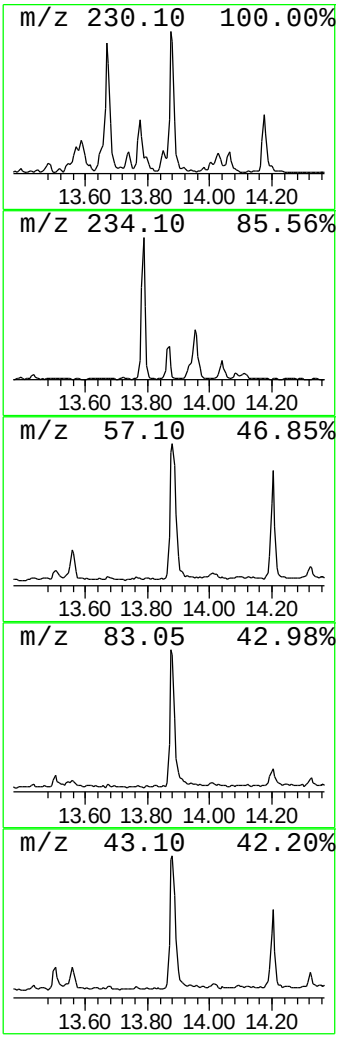
Peak Number 9 11H-Benzo[a]fluoren-11-one Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.87	5.12 ng	1555750	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	83
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	55
3	o-Terphenyl	230	C18H14	000084-15-1	38
4	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	38
5	5,6-Dihydrochrysene	230	C18H14	002091-92-1	38





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ClientSampleId : RBR-200031

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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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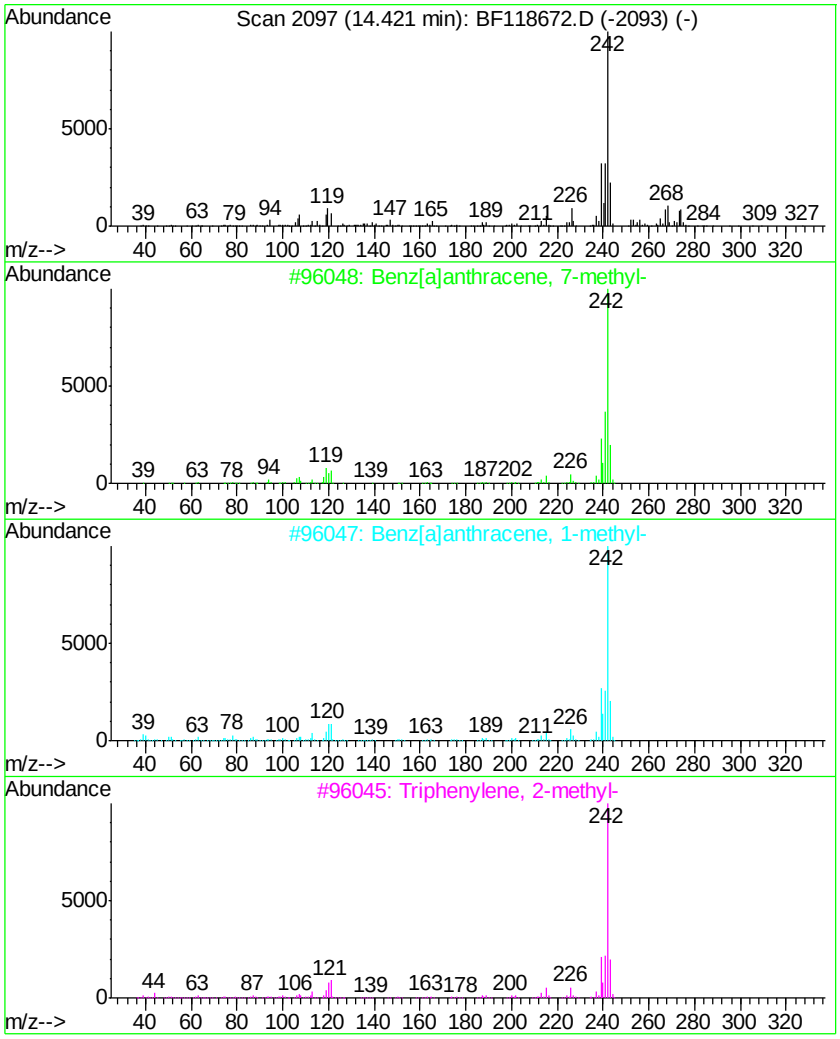
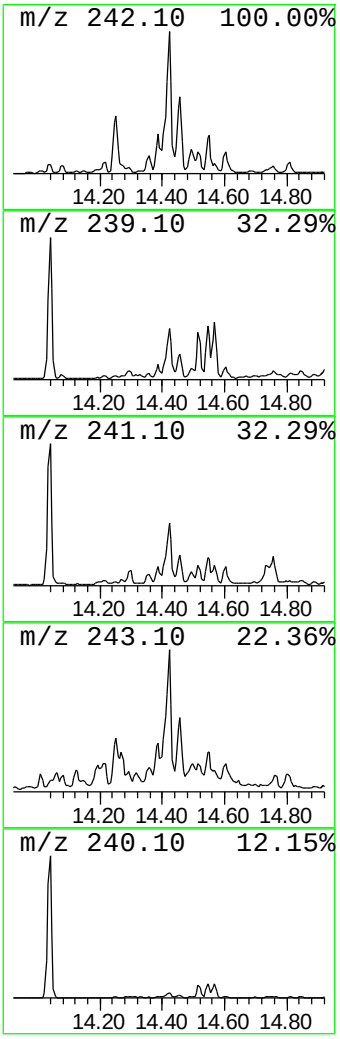
Peak Number 10 Benz[a]anthracene, 7-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.42	3.69 ng	1119630	Chrysene-d12	14.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	92
2	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	91
3	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	86
4	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	86
5	Chrysene, 5-methyl-	242	C19H14	003697-24-3	83





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Misc :
ALS Vial : 10 Sample Multiplier: 1

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ClientSampleId : RBR-200031

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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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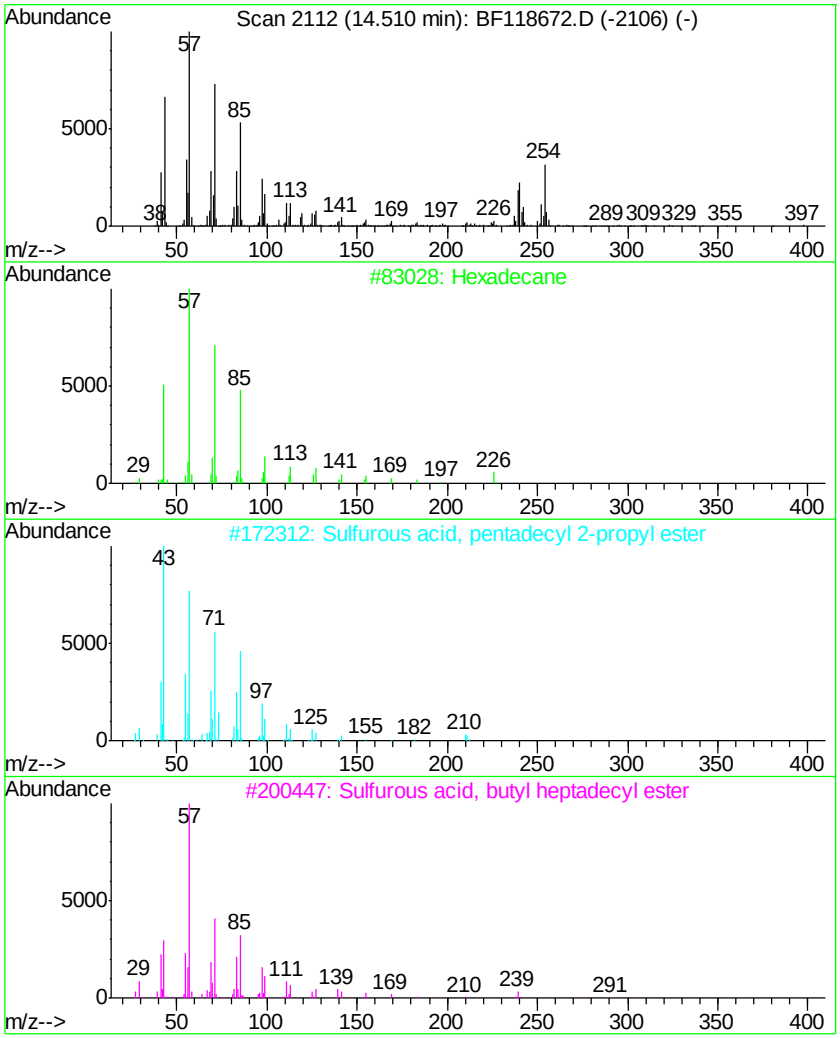
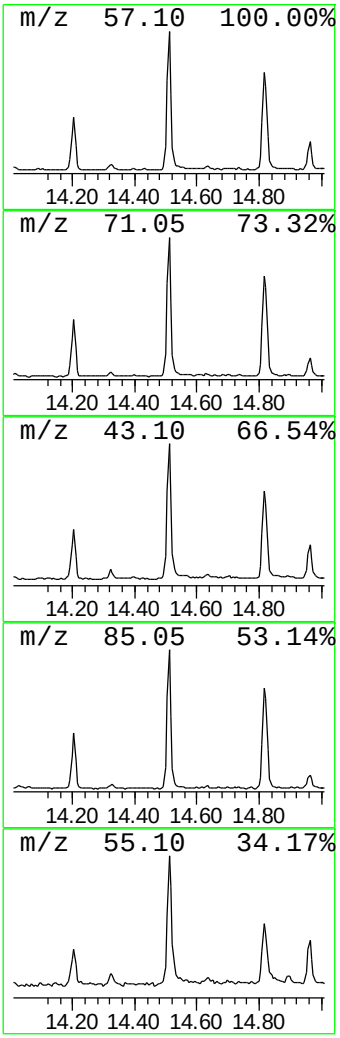
Peak Number 11 Hexadecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.51	5.44 ng	1653070	Chrysene-d12	14.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	95
2	Sulfurous acid, pentadecyl 2-pro...	334	C18H38O3S	1000309-12-6	60
3	Sulfurous acid, butyl heptadecyl...	376	C21H44O3S	1000309-18-4	58
4	Sulfurous acid, 2-propyl tetrade...	320	C17H36O3S	1000309-12-5	53
5	Sulfurous acid, dodecyl 2-propyl...	292	C15H32O3S	1000309-12-3	53





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ClientSampleId : RBR-200031

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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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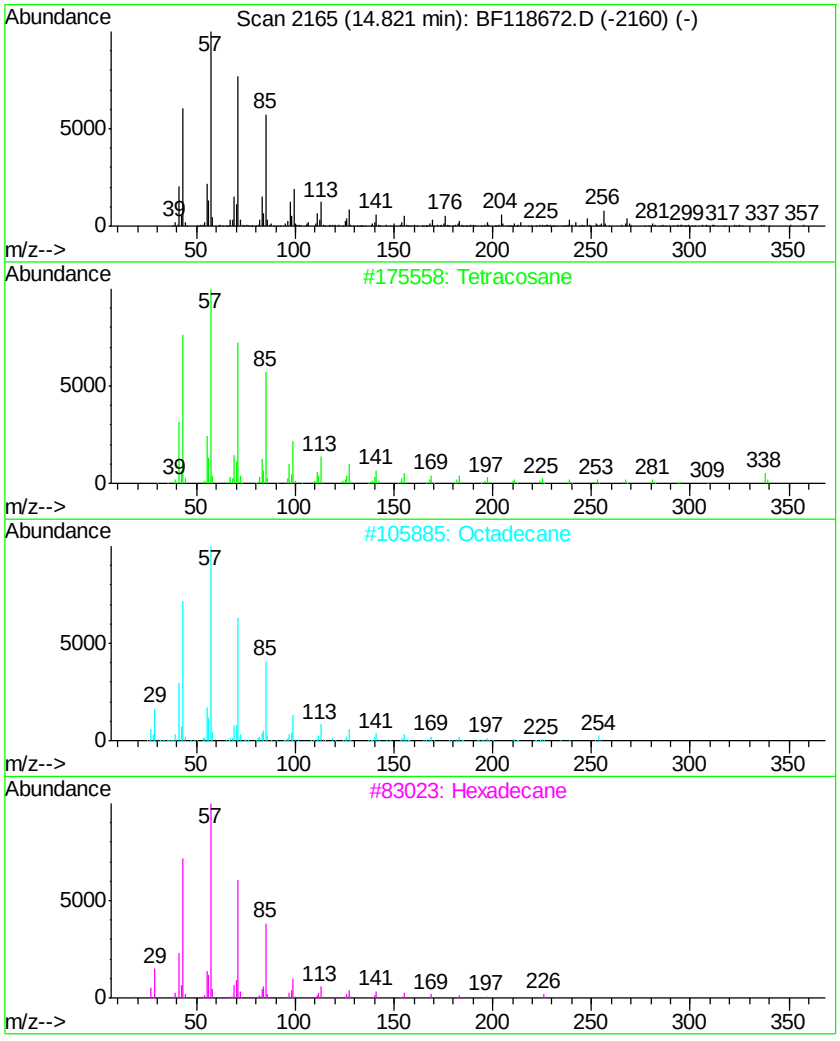
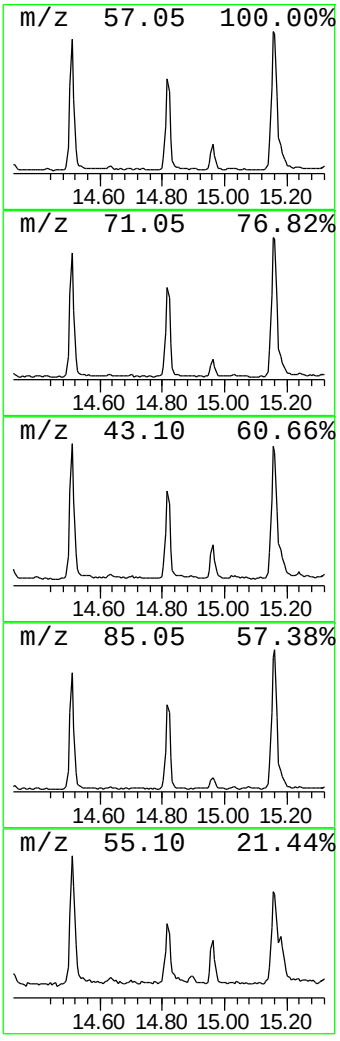
Peak Number 12 Tetracosane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	5.60 ng	810495	Perylene-d12	15.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	96
2	Octadecane	254	C18H38	000593-45-3	96
3	Hexadecane	226	C16H34	000544-76-3	94
4	Nonadecane	268	C19H40	000629-92-5	93
5	Heptadecane	240	C17H36	000629-78-7	91





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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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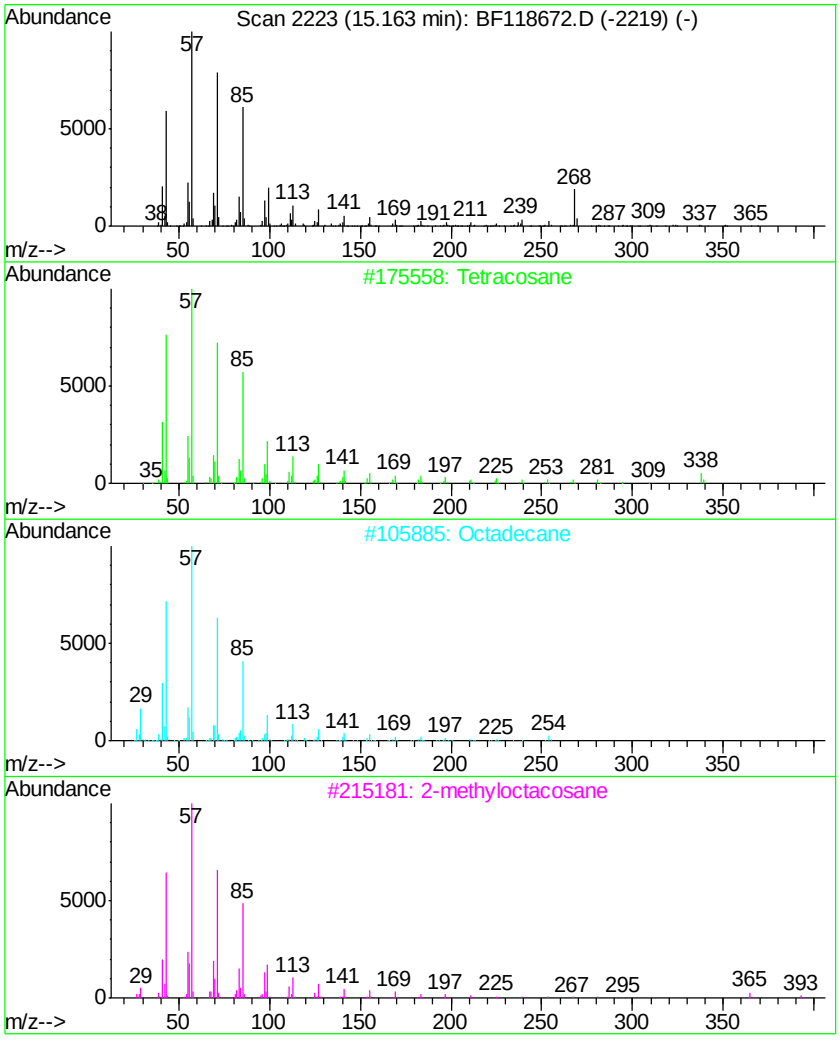
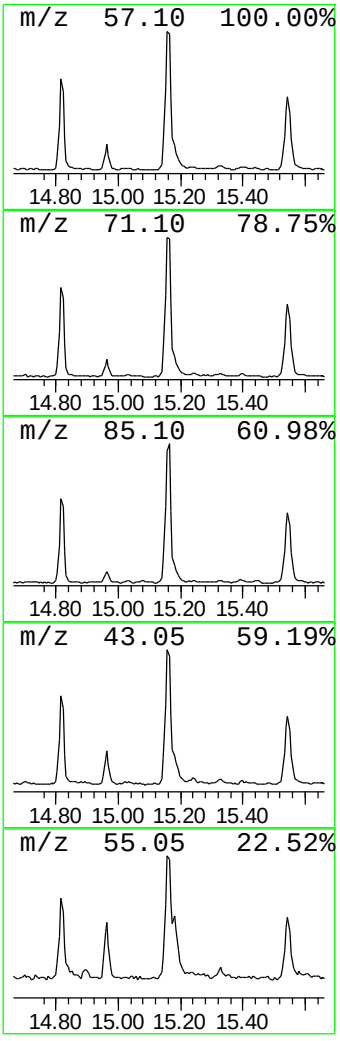
Peak Number 13 Octadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.16	8.16 ng	1179950	Perylene-d12	15.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	96
2	Octadecane	254	C18H38	000593-45-3	96
3	2-methyloctacosane	408	C29H60	1000376-72-8	81
4	Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	81
5	Heneicosane	296	C21H44	000629-94-7	81





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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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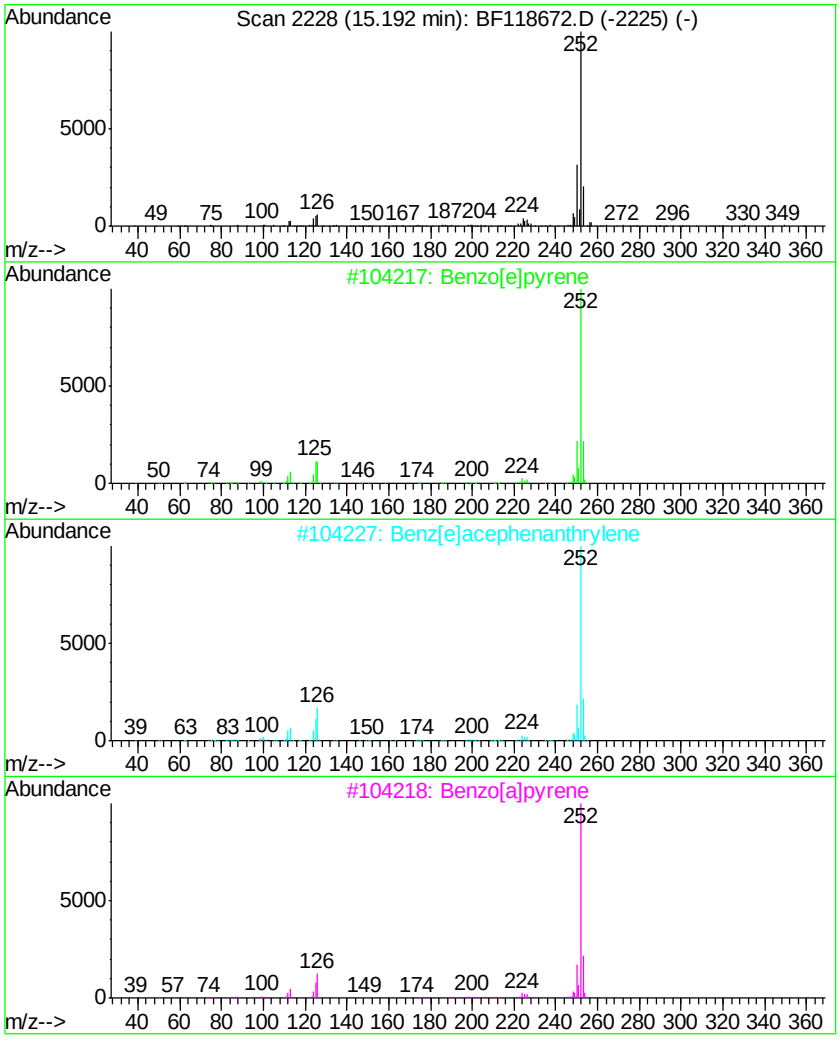
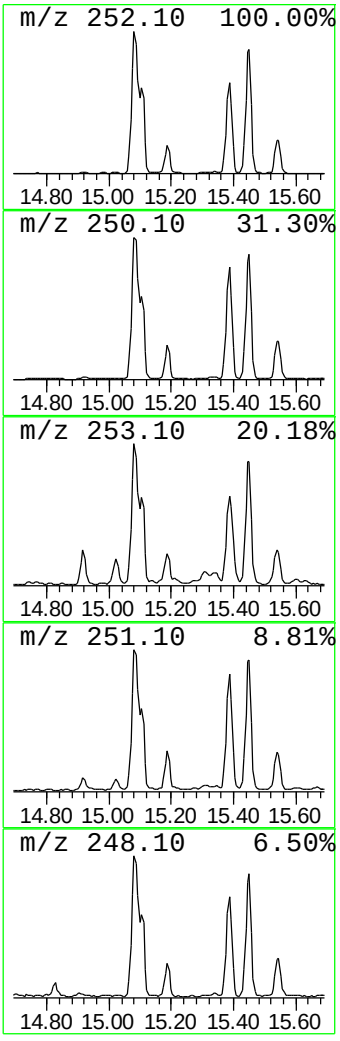
Peak Number 14 Benzo[e]pyrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	5.26 ng	761542	Perylene-d12	15.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	95
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
3	Benzo[a]pyrene	252	C20H12	000050-32-8	90
4	Perylene	252	C20H12	000198-55-0	81
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	68





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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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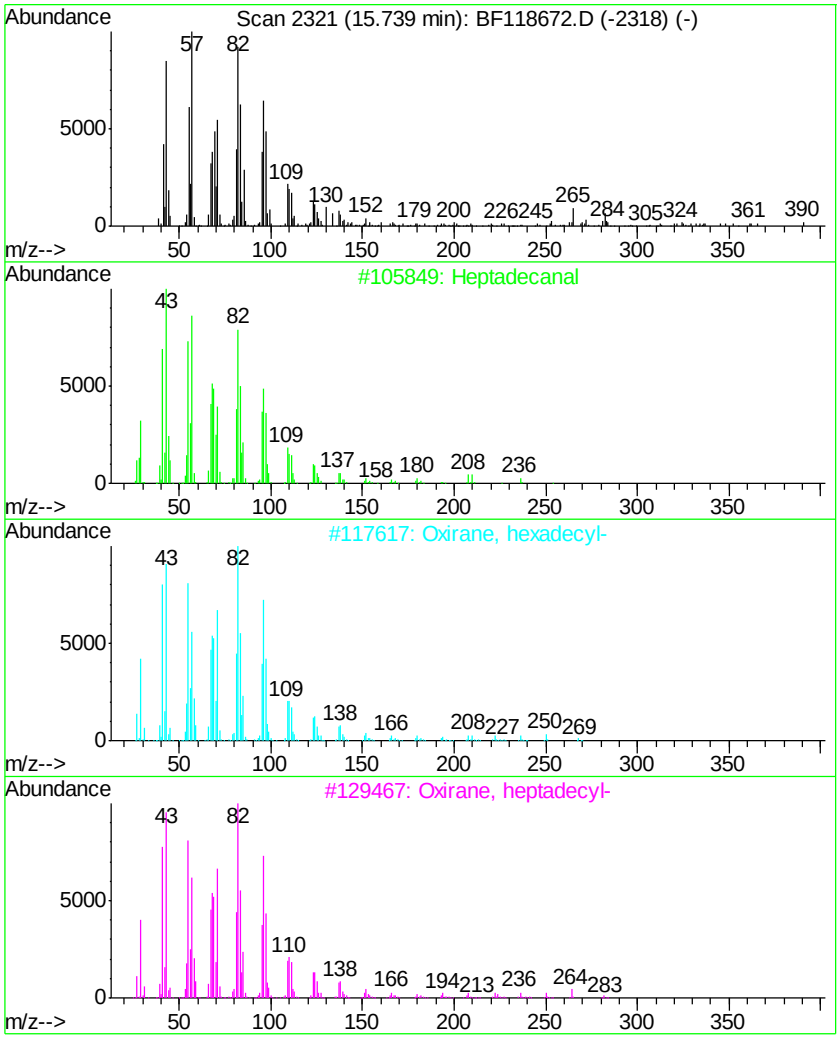
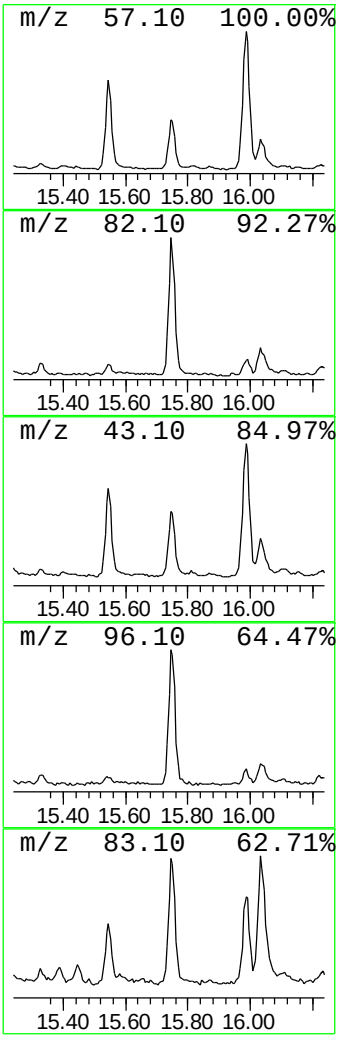
Peak Number 16 Heptadecanal Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.74	6.71 ng	970669	Perylene-d12	15.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecanal	254	C17H34O	1000376-70-0	95
2	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	91
3	Oxirane, heptadecyl-	282	C19H38O	067860-04-2	91
4	Tetracosanal	352	C24H48O	057866-08-7	90
5	Octadecanal	268	C18H36O	000638-66-4	90





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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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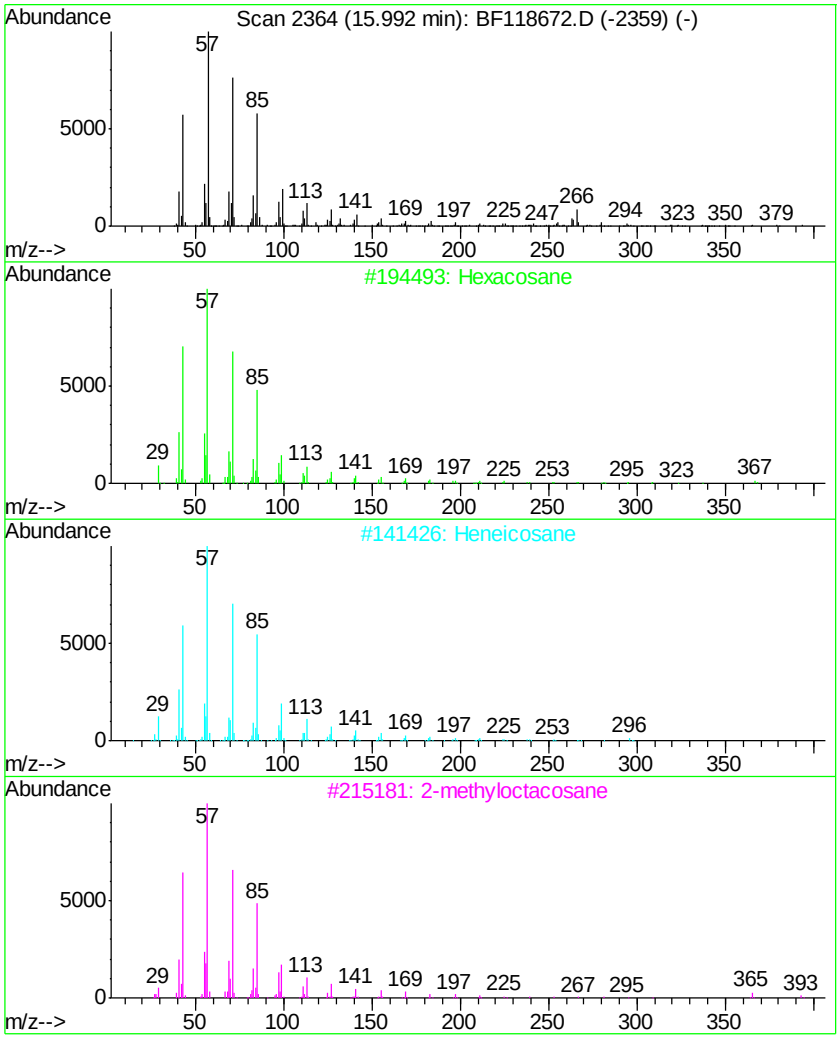
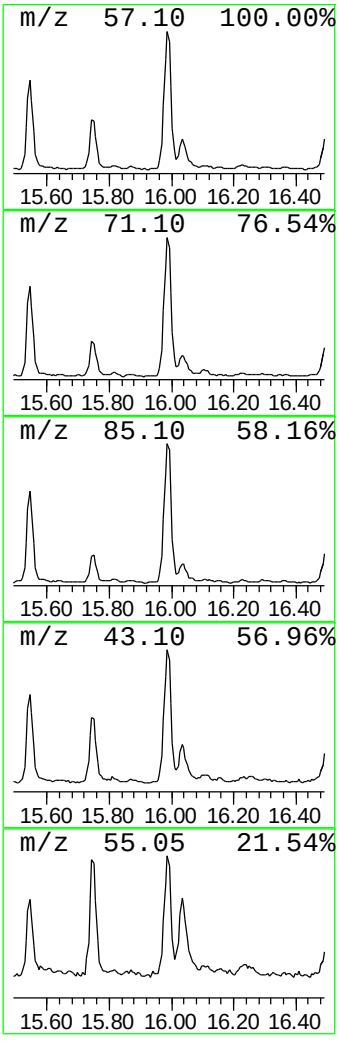
Peak Number 17 Heptadecane, 9-octyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.99	7.64 ng	1104670	Perylene-d12	15.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	91
2	Heneicosane	296	C21H44	000629-94-7	91
3	2-methyloctacosane	408	C29H60	1000376-72-8	91
4	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
5	Eicosane, 7-hexyl-	366	C26H54	055333-99-8	90





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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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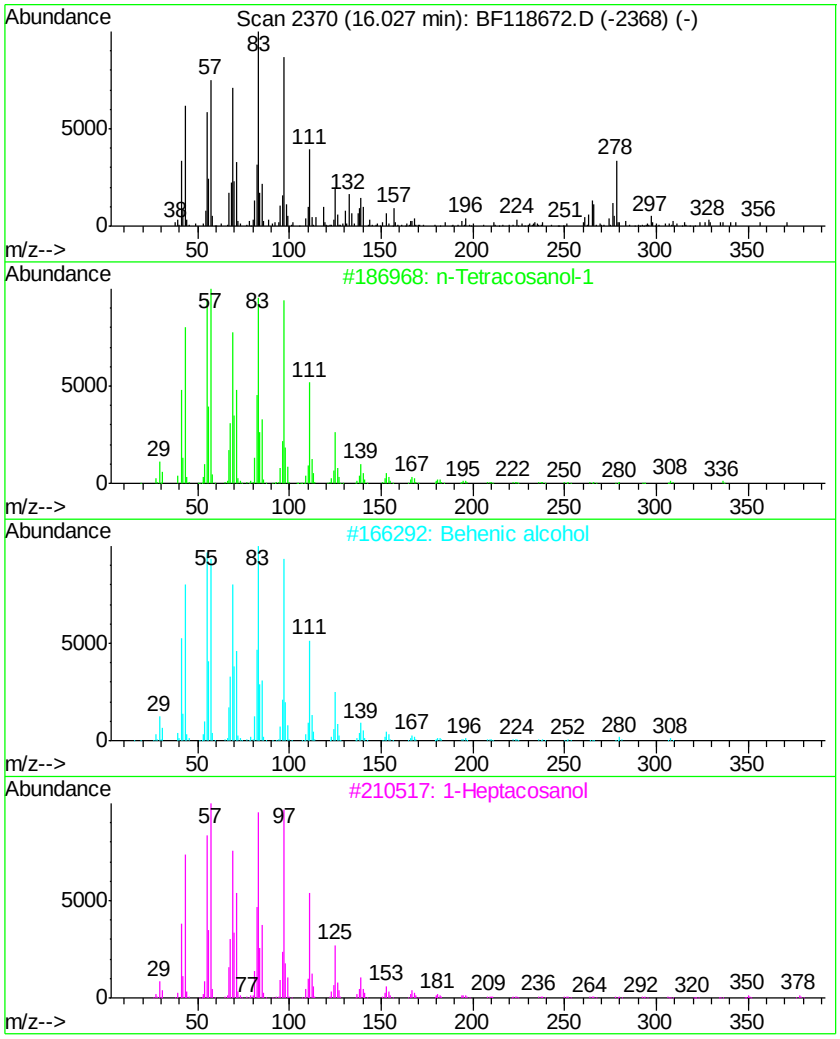
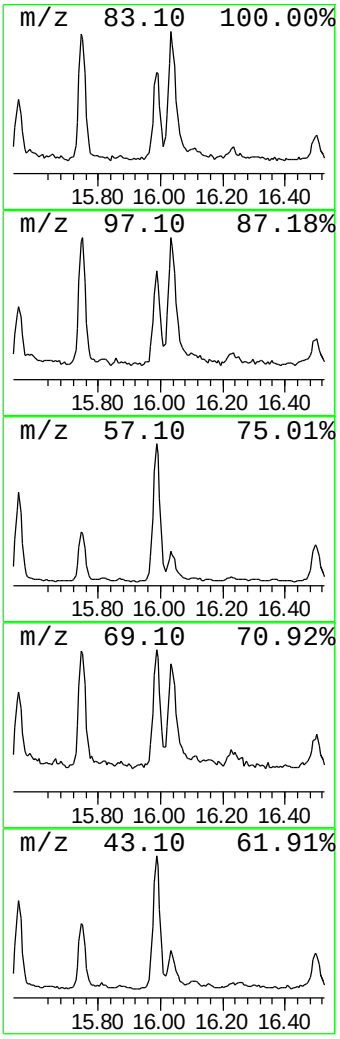
Peak Number 18 n-Tetracosanol-1 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.03	3.62 ng	523935	Perylene-d12	15.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Tetracosanol-1	354	C24H50O	000506-51-4	87
2	Behenic alcohol	326	C22H46O	000661-19-8	80
3	1-Heptacosanol	396	C27H56O	002004-39-9	70
4	Octadecyl trifluoroacetate	366	C20H37F3O2	079392-43-1	42
5	Pentafluoropropionic acid, hepta...	402	C20H35F5O2	959218-78-1	42





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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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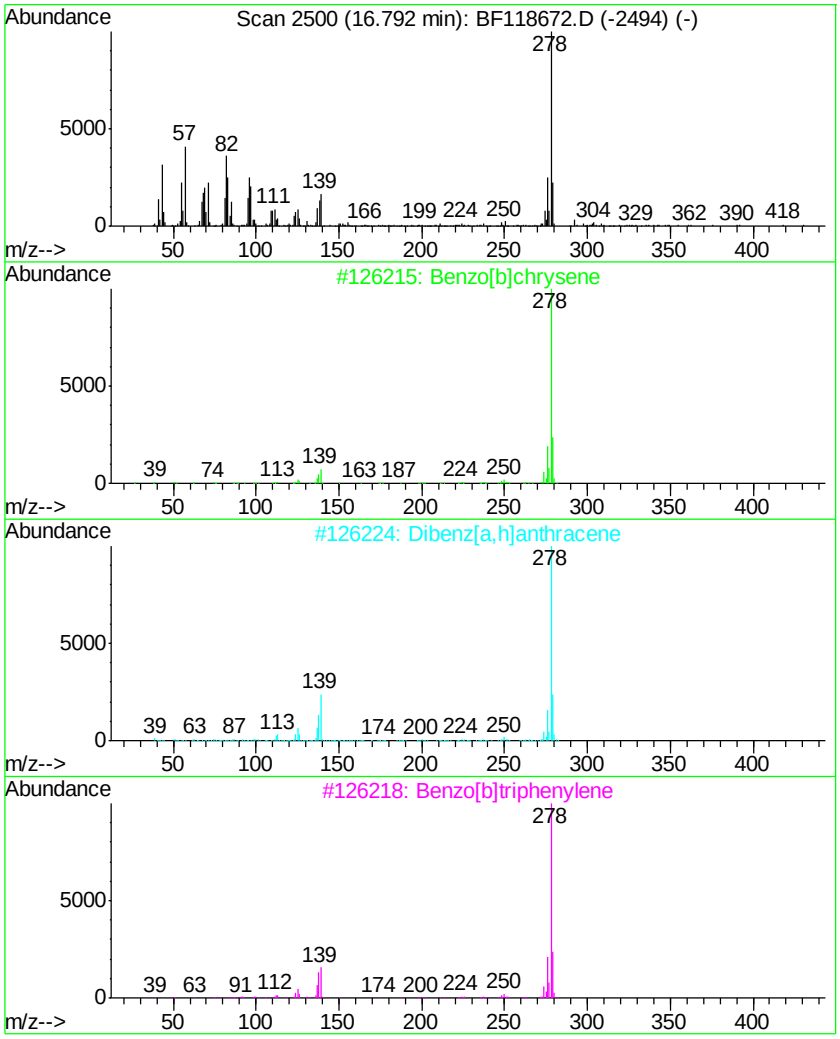
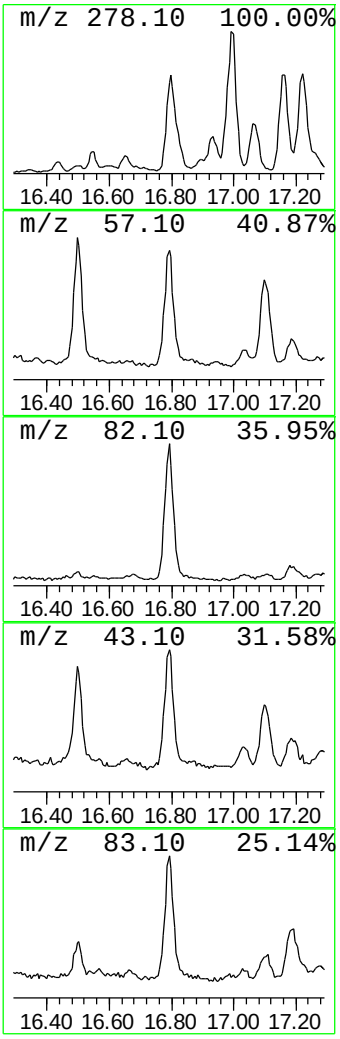
Peak Number 19 Benzo[b]chrysene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.79	10.30 ng	1489670	Perylene-d12	15.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]chrysene	278	C22H14	000214-17-5	91
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	91
3	Benzo[b]triphenylene	278	C22H14	000215-58-7	91
4	Picene	278	C22H14	000213-46-7	91
5	Benzo[a]naphthacene	278	C22H14	000226-88-0	83





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Data File : BF118672.D
Acq On : 22 Jan 2020 19:45
Operator : CG/JU
Sample : L1215-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200031

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

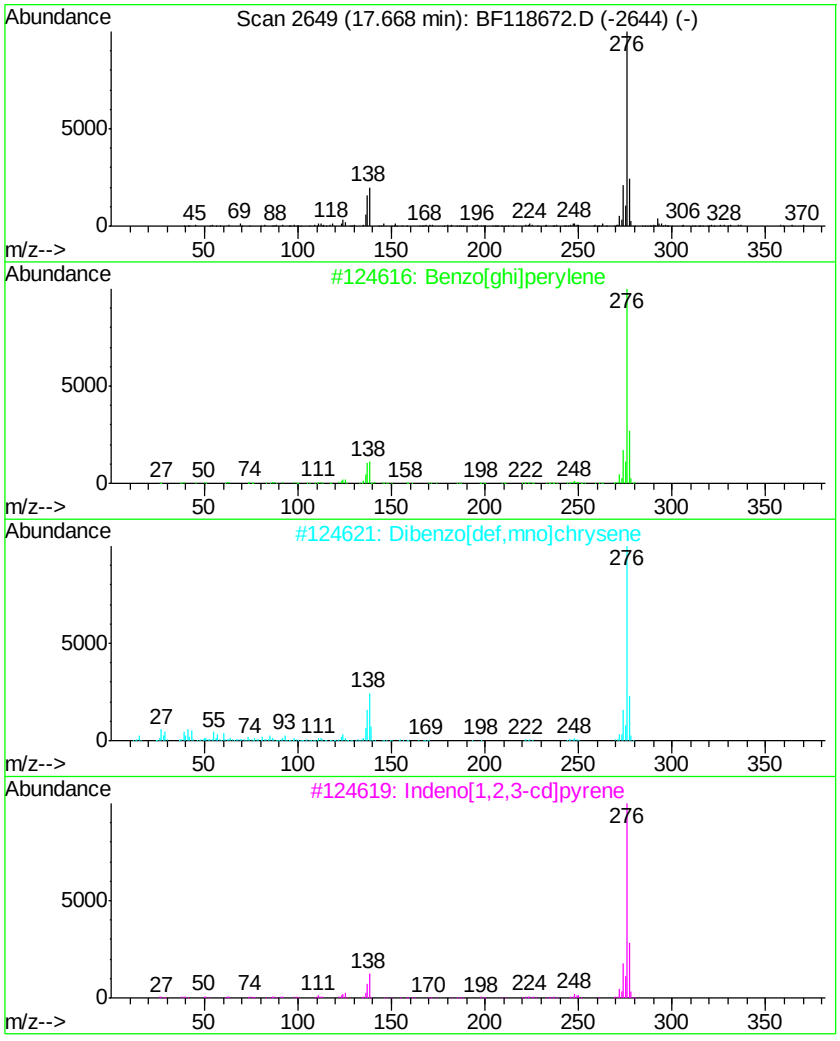
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

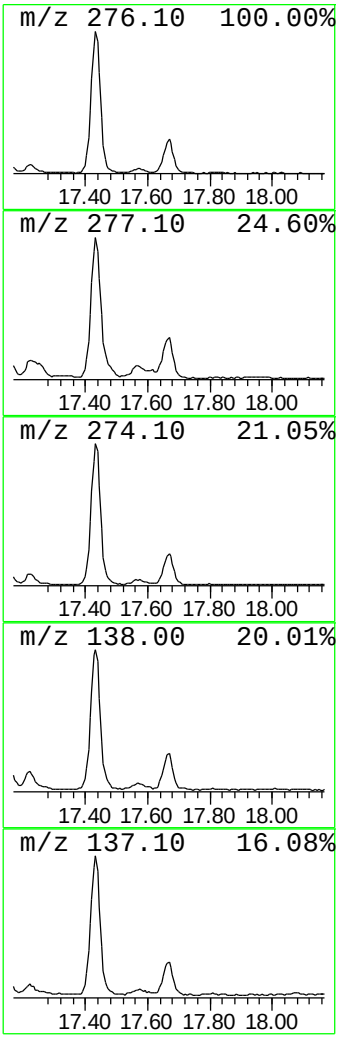
****

Peak Number 20 Indeno[1,2,3-cd]fluoranthene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.67	5.10 ng	738517	Perylene-d12	15.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]perylene	276	C22H12	000191-24-2	96
2	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	96
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	76
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	72
5	Phenol, 2-(4-chlorophenyliminome...	276	C13H9ClN2O3	1000262-90-3	59





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF012220\
Data File : BF118672.D
Acq On : 22 Jan 2020 19:45
Operator : CG/JU
Sample : L1215-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200031

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...	2.18	21.4	ng	2248290	1	6.88	2097810	20.0
Phenanthrene, 2-m...	11.90	4.2	ng	655538	4	11.40	3138220	20.0
Anthracene, 2-met...	11.93	11.1	ng	1737870	4	11.40	3138220	20.0
4H-Cyclopenta[def...	12.02	8.2	ng	1282330	4	11.40	3138220	20.0
9,10-Anthracenedione	12.22	3.3	ng	511352	4	11.40	3138220	20.0
Phenanthrene, 2,5...	12.45	3.5	ng	545658	4	11.40	3138220	20.0
11H-Benzo[a]fluorene	13.17	3.1	ng	957565	5	14.04	6076200	20.0
11H-Benzo[a]fluor...	13.87	5.1	ng	1555750	5	14.04	6076200	20.0
Benz[a]anthracene...	14.42	3.7	ng	1119630	5	14.04	6076200	20.0
Hexadecane	14.51	5.4	ng	1653070	5	14.04	6076200	20.0
Tetracosane	14.82	5.6	ng	810495	6	15.51	2893440	20.0
Octadecane	15.16	8.2	ng	1179950	6	15.51	2893440	20.0
Benzo[e]pyrene	15.19	5.3	ng	761542	6	15.51	2893440	20.0
Heptadecanal	15.74	6.7	ng	970669	6	15.51	2893440	20.0
Heptadecane, 9-oc...	15.99	7.6	ng	1104670	6	15.51	2893440	20.0
n-Tetracosanol-1	16.03	3.6	ng	523935	6	15.51	2893440	20.0
Benzo[b]chrysene	16.79	10.3	ng	1489670	6	15.51	2893440	20.0
Indeno[1,2,3-cd]f...	17.67	5.1	ng	738517	6	15.51	2893440	20.0