LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117609.D
Acq On : 30 Oct 2019 00:20
Operator : JU
Sample : K5576-15 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CSA-2-1-4

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-BF101819.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	4.916	477	481	491	rBV2	9120	16032	2.40%	0.180%
2	5.369	555	558	578	rBV	57568	118441	17.73%	1.331%
3	6.398	730	733	749	rBV	62892	135098	20.22%	1.518%
4	6.510	749	752	766	rVB	110643	159252	23.84%	1.789%
5	6.728	786	789	798	rBV	200771	193736	29.00%	2.177%
6	6.886	812	816	827	rBV	101042	117311	17.56%	1.318%
7	7.304	884	887	904	rBV	32677	70322	10.53%	0.790%
8	8.010	1003	1007	1020	rBV	207157	248430	37.19%	2.791%
9	9.080	1186	1189	1201	rBV	128016	142504	21.33%	1.601%
10	9.480	1255	1257	1265	rVB2	17671	21741	3.25%	0.244%
11	9.622	1278	1281	1291	rBV	101788	108592	16.25%	1.220%
12	9.763	1301	1305	1309	rBV	244765	233491	34.95%	2.623%
13	9.792	1309	1310	1318	rVB	17321	16740	2.51%	0.188%
14	9.975	1336	1341	1345	rBV2	10174	12889	1.93%	0.145%
15	10.222	1380	1383	1388	rBV	7722	8126	1.22%	0.091%
16	10.316	1395	1399	1405	rVB3	13815	19961	2.99%	0.224%
17	10.563	1433	1441	1450	rVB2	60915	76974	11.52%	0.865%
18	10.674	1454	1460	1462	rBV5	9687	13791	2.06%	0.155%
19	10.863	1488	1492	1495	rBV2	7128	7869	1.18%	0.088%
20	11.010	1515	1517	1523	rVB3	9735	12225	1.83%	0.137%
21	11.069	1523	1527	1530	rVV2	14834	15964	2.39%	0.179%
22	11.104	1530	1533	1536	rVV2	11444	13442	2.01%	0.151%
23	11.145	1536	1540	1545	rVB2	9897	13931	2.09%	0.157%
24	11.251	1554	1558	1560	rBV	241406	231128	34.60%	2.597%
25	11.274	1560	1562	1568	rVV	254585	222439	33.30%	2.499%
26	11.327	1568	1571	1577	rVV	120818	126316	18.91%	1.419%
27	11.374	1577	1579	1583	rVB2	9095	10185	1.52%	0.114%
28	11.492	1594	1599	1604	rBV3	33058	45886	6.87%	0.516%
29	11.539	1604	1607	1609	rVB2	12613	13479	2.02%	0.151%
30	11.751	1640	1643	1646	rBV	46557	41494	6.21%	0.466%
31	11.780	1646	1648	1654	rVV	71692	72437	10.84%	0.814%
32	11.833	1654	1657	1659	rVV	33655	31102	4.66%	0.349%
33	11.863	1659	1662	1665	rVV	83841	93884	14.05%	1.055%
34	11.886	1665	1666	1672	rVB	40663	30592	4.58%	0.344%

LSC Area Percent Report

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Acq On : 30 Oct 2019 00:20
Operator : JU
Sample : K5576-15 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CSA-2-1-4

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-BF101819.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.939	1672	1675	1678	rBV3	9077	10412	1.56%	0.117%
36	12.045	1687	1693	1697	rVV2	37119	37339	5.59%	0.420%
37	12.092	1697	1701	1709	rVB2	38678	41850	6.26%	0.470%
38	12.198	1714	1719	1722	rBV3	15433	20381	3.05%	0.229%
39	12.227	1722	1724	1727	rBV	21897	17171	2.57%	0.193%
40	12.257	1727	1729	1731	rVB	17474	14044	2.10%	0.158%
41	12.304	1733	1737	1739	rBV	59573	60803	9.10%	0.683%
42	12.339	1739	1743	1745	rVV2	24872	30212	4.52%	0.339%
43	12.357	1745	1746	1749	rVV2	16218	13425	2.01%	0.151%
44	12.398	1749	1753	1757	rVB2	45912	53117	7.95%	0.597%
45	12.468	1761	1765	1768	rBV	731544	644269	96.44%	7.239%
46	12.504	1768	1771	1773	rVB4	13739	11207	1.68%	0.126%
47	12.533	1773	1776	1778	rVB3	14414	14161	2.12%	0.159%
48	12.563	1778	1781	1787	rBV	61185	62392	9.34%	0.701%
49	12.616	1787	1790	1792	rBV	48982	47926	7.17%	0.538%
50	12.639	1792	1794	1798	rVB2	17241	16976	2.54%	0.191%
51	12.698	1798	1804	1810	rBV	631320	668053	100.00%	7.506%
52	12.751	1810	1813	1817	rVB2	49089	56550	8.46%	0.635%
53	12.827	1819	1826	1829	rBV2	216505	212421	31.80%	2.387%
54	12.863	1829	1832	1836	rVB2	39565	47214	7.07%	0.530%
55	12.921	1836	1842	1846	rBV4	60502	111150	16.64%	1.249%
56	12.963	1848	1849	1852	rVB2	13520	9641	1.44%	0.108%
57	12.998	1852	1855	1857	rBV2	56398	70194	10.51%	0.789%
58	13.021	1857	1859	1862	rVB	82146	79202	11.86%	0.890%
59	13.063	1864	1866	1868	rBV3	12328	11648	1.74%	0.131%
60	13.092	1868	1871	1873	rBV	40873	37469	5.61%	0.421%
61	13.127	1873	1877	1881	rVB2	77090	92194	13.80%	1.036%
62	13.192	1884	1888	1890	rBV3	16747	19521	2.92%	0.219%
63	13.221	1890	1893	1896	rBV	52377	46812	7.01%	0.526%
64	13.251	1896	1898	1901	rBV4	44157	42749	6.40%	0.480%
65	13.304	1903	1907	1910	rVB	333120	299026	44.76%	3.360%
66	13.398	1918	1923	1925	rBV5	25240	31796	4.76%	0.357%
67	13.451	1930	1932	1934	rVB2	12105	12318	1.84%	0.138%
68	13.545	1945	1948	1952	rBV	84346	77988	11.67%	0.876%
69	13.598	1954	1957	1960	rVB3	16596	16303	2.44%	0.183%
70	13.651	1961	1966	1968	rBV2	69497	101908	15.25%	1.145%
71	13.668	1968	1969	1971	rVB	48790	24278	3.63%	0.273%

LSC Area Percent Report

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Operator : JU
Sample : K5576-15 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CSA-2-1-4

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-BF101819.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.698	1971	1974	1976	rBV	39245	32612	4.88%	0.366%
73	13.757	1981	1984	1989	rVB2	96748	106564	15.95%	1.197%
74	13.892	2003	2007	2010	rBV2	379577	558315	83.57%	6.273%
75	13.921	2010	2012	2015	rVV	299230	253332	37.92%	2.846%
76	13.974	2019	2021	2023	rBV3	13018	12637	1.89%	0.142%
77	14.004	2023	2026	2028	rVB	25286	20935	3.13%	0.235%
78	14.033	2028	2031	2032	rBV3	19305	18159	2.72%	0.204%
79	14.057	2033	2035	2040	rVB3	36098	47637	7.13%	0.535%
80	14.245	2065	2067	2069	rBV	24517	18641	2.79%	0.209%
81	14.286	2069	2074	2077	rVV	73423	94148	14.09%	1.058%
82	14.315	2077	2079	2082	rVV2	25115	24801	3.71%	0.279%
83	14.345	2082	2084	2089	rVB3	37470	47237	7.07%	0.531%
84	14.386	2089	2091	2093	rBV2	20761	17514	2.62%	0.197%
85	14.410	2093	2095	2097	rBV2	23382	24388	3.65%	0.274%
86	14.774	2154	2157	2163	rVB2	45815	56904	8.52%	0.639%
87	14.927	2179	2183	2185	rBV	232804	312838	46.83%	3.515%
88	14.957	2185	2188	2192	rVB2	302232	371047	55.54%	4.169%
89	15.027	2197	2200	2204	rVB	53509	63607	9.52%	0.715%
90	15.215	2228	2232	2239	rVV	118947	140672	21.06%	1.581%
91	15.274	2239	2242	2246	rVV	142254	171078	25.61%	1.922%
92	15.333	2249	2252	2255	rVV	111447	135822	20.33%	1.526%
93	15.368	2255	2258	2264	rVB3	38597	53144	7.96%	0.597%
94	15.498	2277	2280	2284	rBV6	18827	27975	4.19%	0.314%
95	15.715	2313	2317	2322	rVB	102899	148845	22.28%	1.672%
96	15.874	2341	2344	2348	rBV6	13123	20037	3.00%	0.225%
97	16.174	2393	2395	2396	rBV2	11968	9210	1.38%	0.103%
98	16.556	2456	2460	2464	rBV4	9772	14778	2.21%	0.166%
99	16.751	2486	2493	2500	rVB3	67356	153585	22.99%	1.726%
100	17.186	2561	2567	2576	rBV	42138	83808	12.55%	0.942%

Sum of corrected areas: 8900194

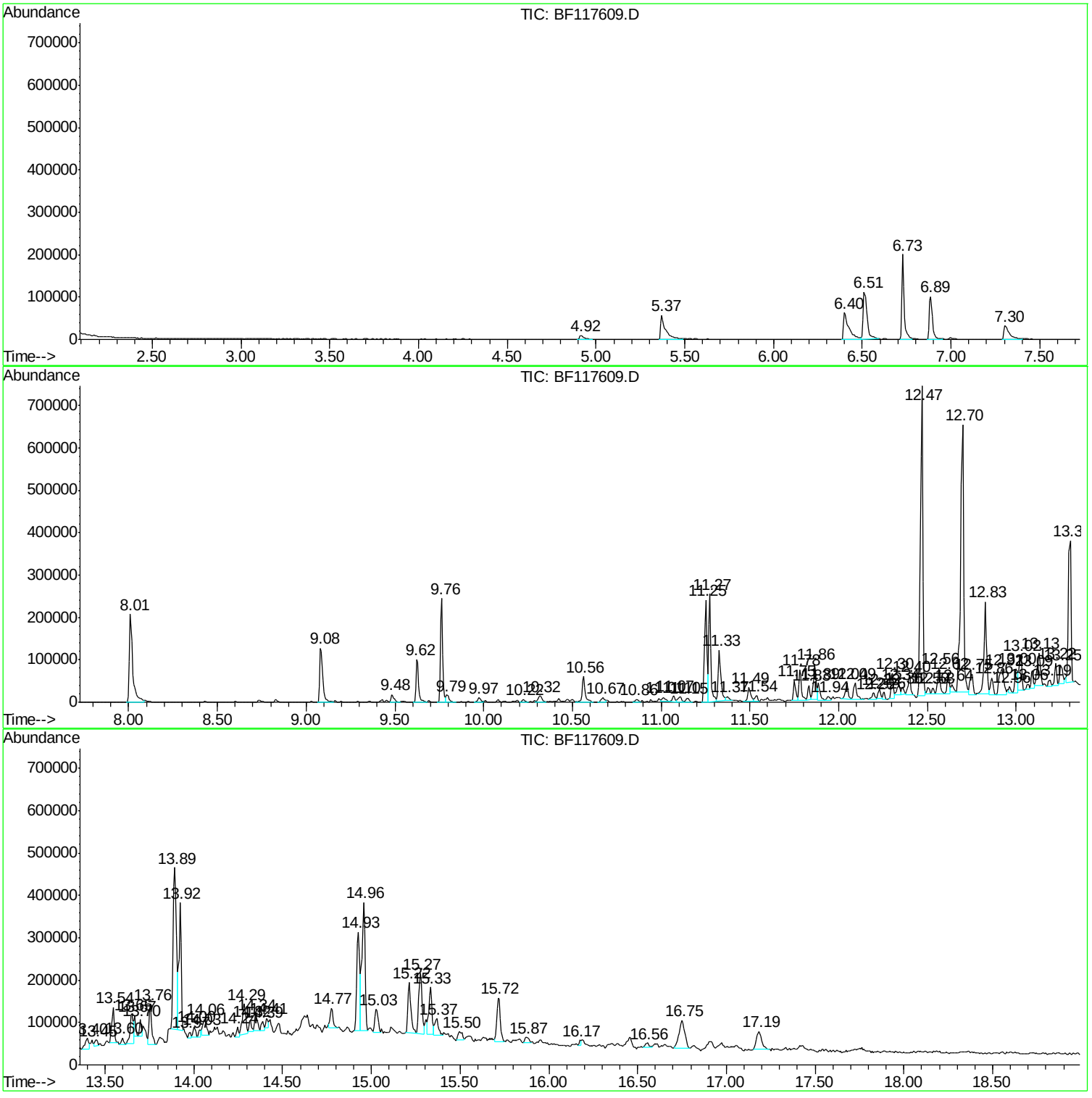
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117609.D
Acq On : 30 Oct 2019 00:20
Operator : JU
Sample : K5576-15 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CSA-2-1-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.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\BF102919\
Data File : BF117609.D
Acq On : 30 Oct 2019 00:20
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Misc :
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Instrument : BNA_F
ClientSampleId : CSA-2-1-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

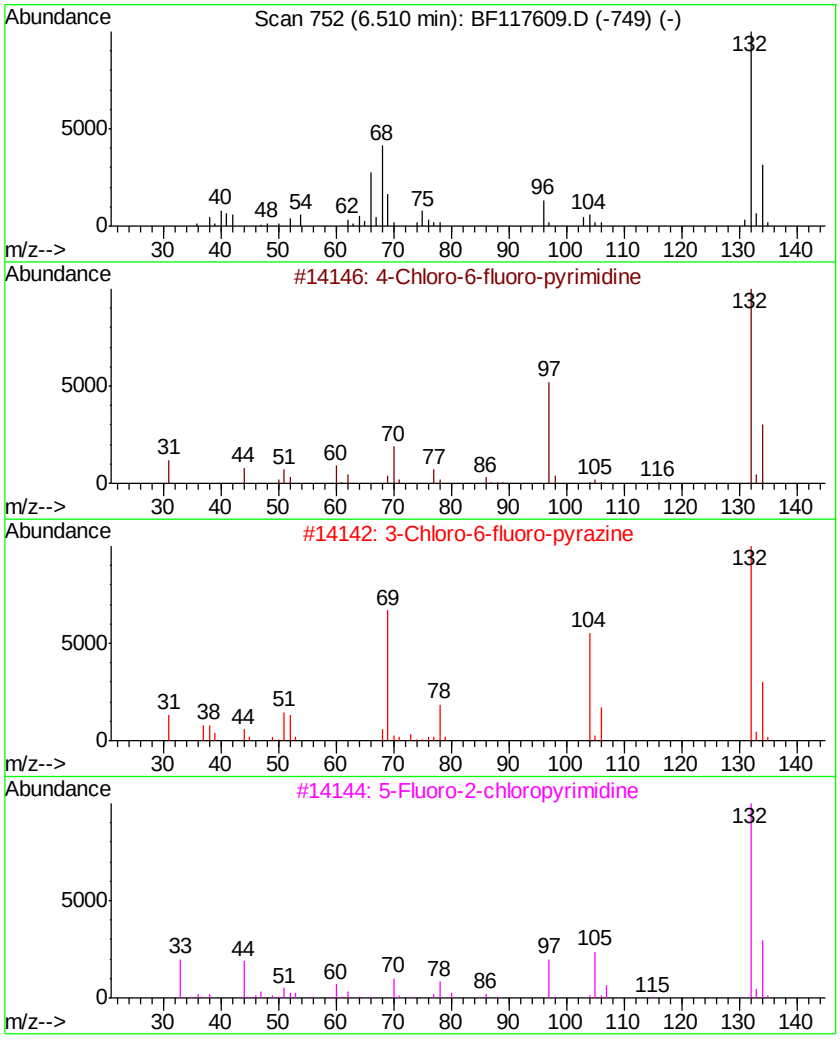
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

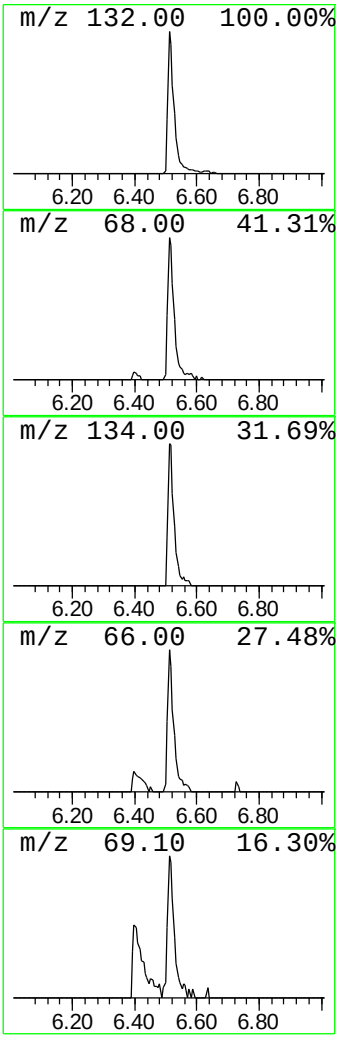
****

Peak Number 1 unknown6.51 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.51	16.44 ng	159252	1,4-Dichlorobenzene-d4	6.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
3	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
4	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
5	1,2,4-Trifluorobenzene	132	C6H3F3	000367-23-7	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117609.D
Acq On : 30 Oct 2019 00:20
Operator : JU
Sample : K5576-15 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CSA-2-1-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

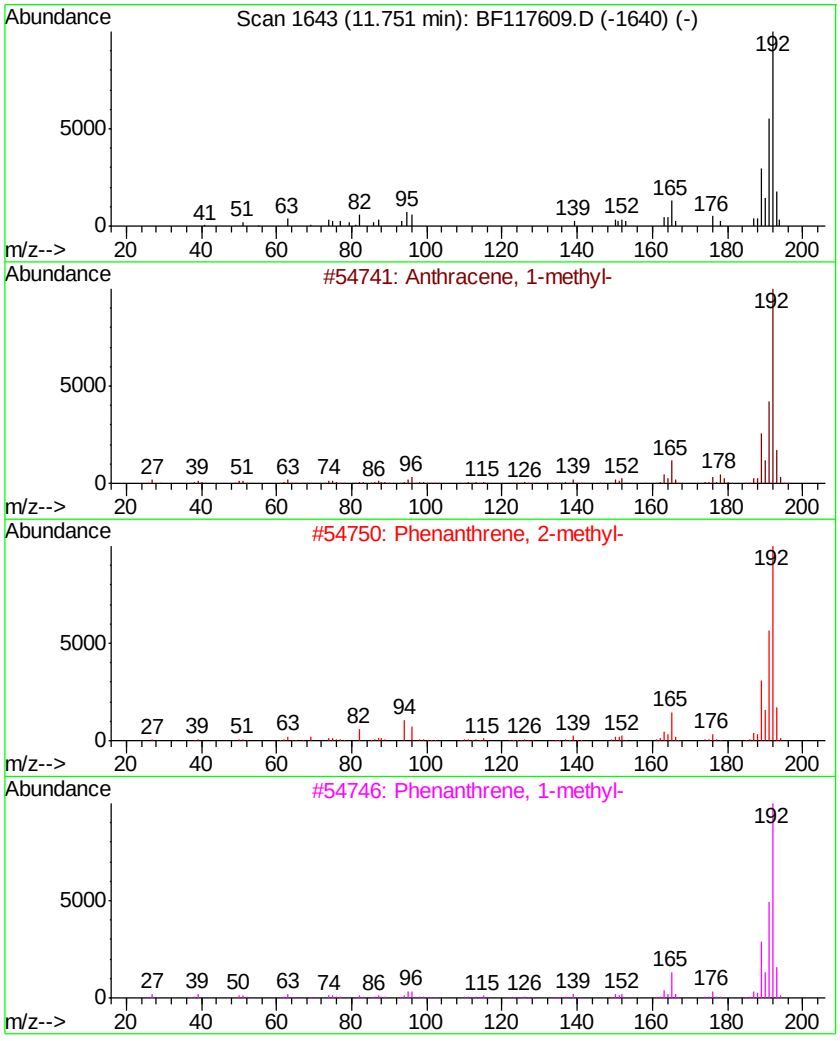
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

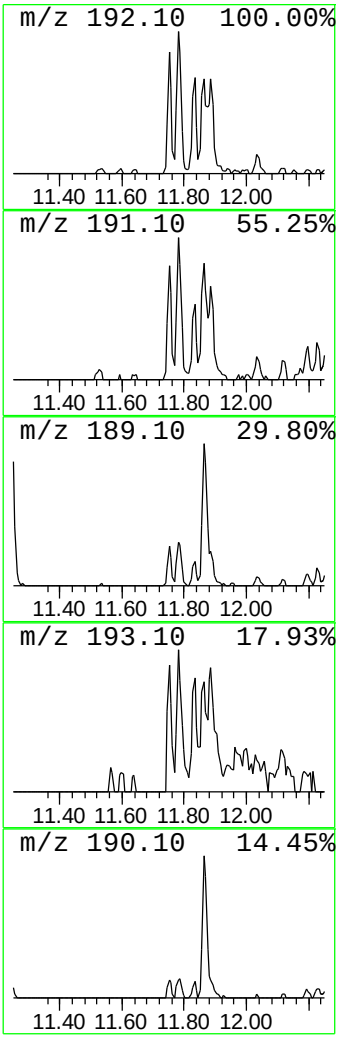
****

Peak Number 3 Anthracene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	3.59 ng	41494	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





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Instrument : BNA_F
ClientSampleId : CSA-2-1-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

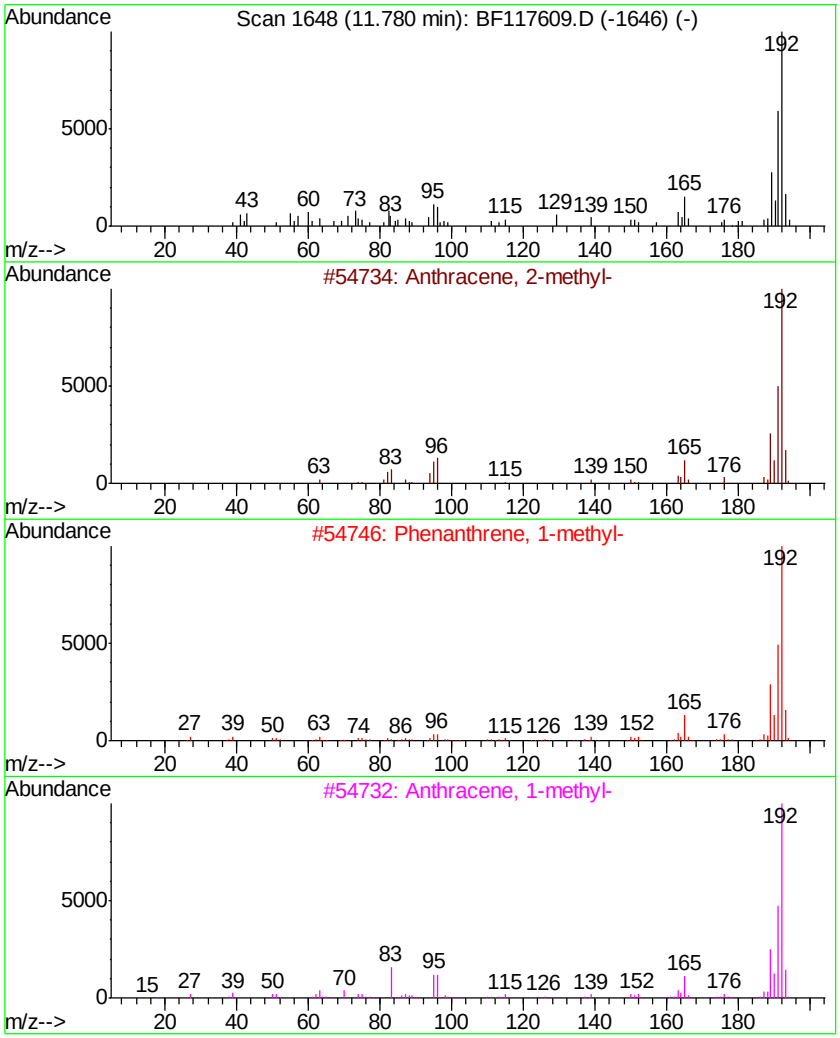
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

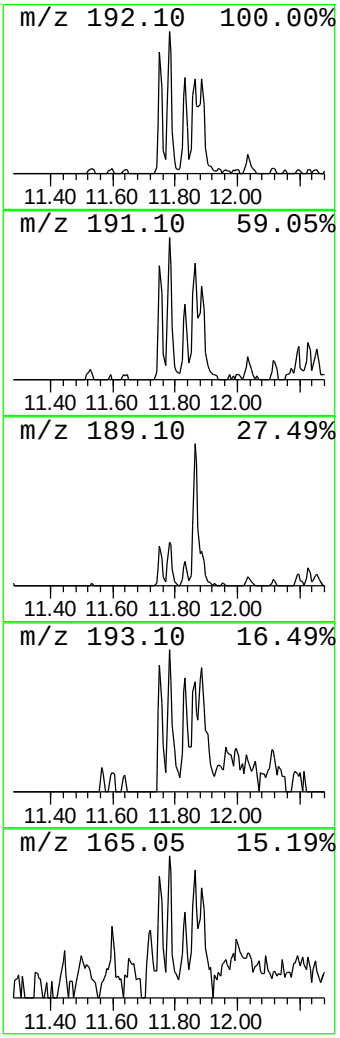
****

Peak Number 4 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	6.27 ng	72437	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





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ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CSA-2-1-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

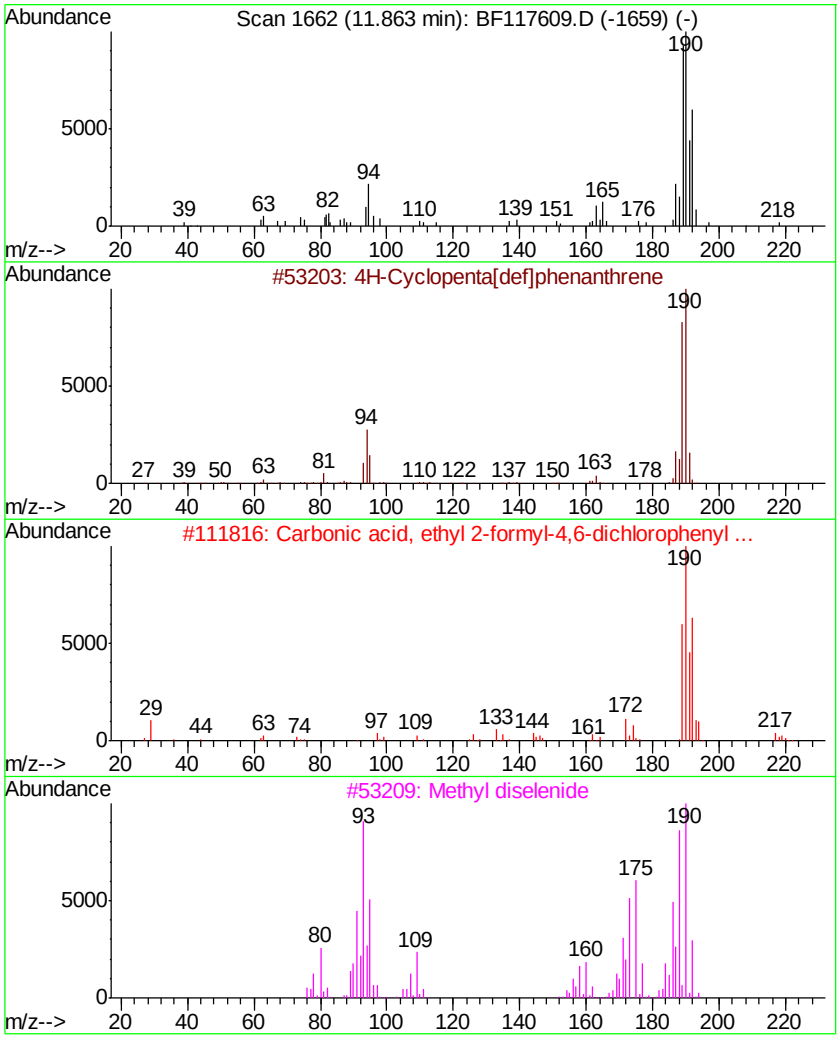
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

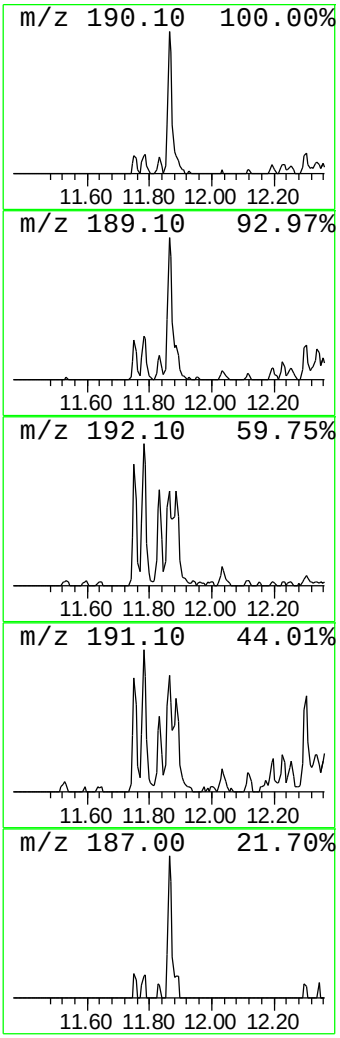
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	8.12 ng	93884	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	62
2	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	47
3	Methyl diselenide	190	C2H6Se2	007101-31-7	45
4	3,5-Dichlorobenzoic acid	190	C7H4Cl2O2	000051-36-5	30
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	18





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117609.D
Acq On : 30 Oct 2019 00:20
Operator : JU
Sample : K5576-15 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CSA-2-1-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

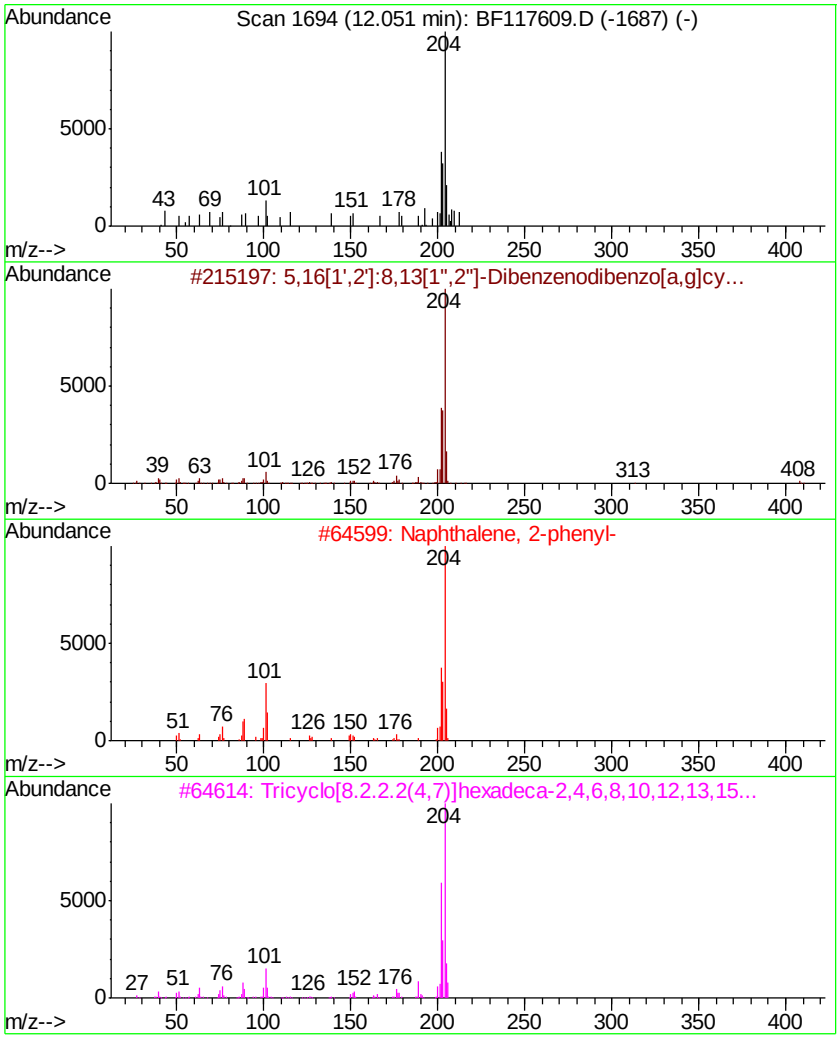
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

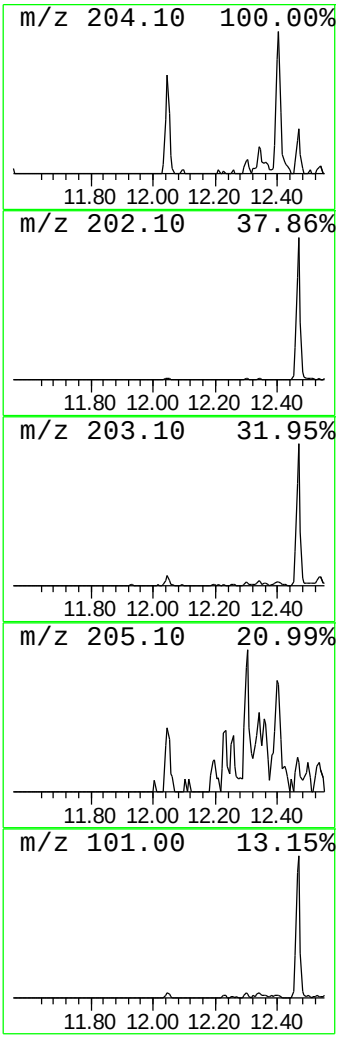
****

Peak Number 6 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	3.23 ng	37339	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	72
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
4	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	55
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	53





Library Search Compound Report

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Data File : BF117609.D
Acq On : 30 Oct 2019 00:20
Operator : JU
Sample : K5576-15 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CSA-2-1-4

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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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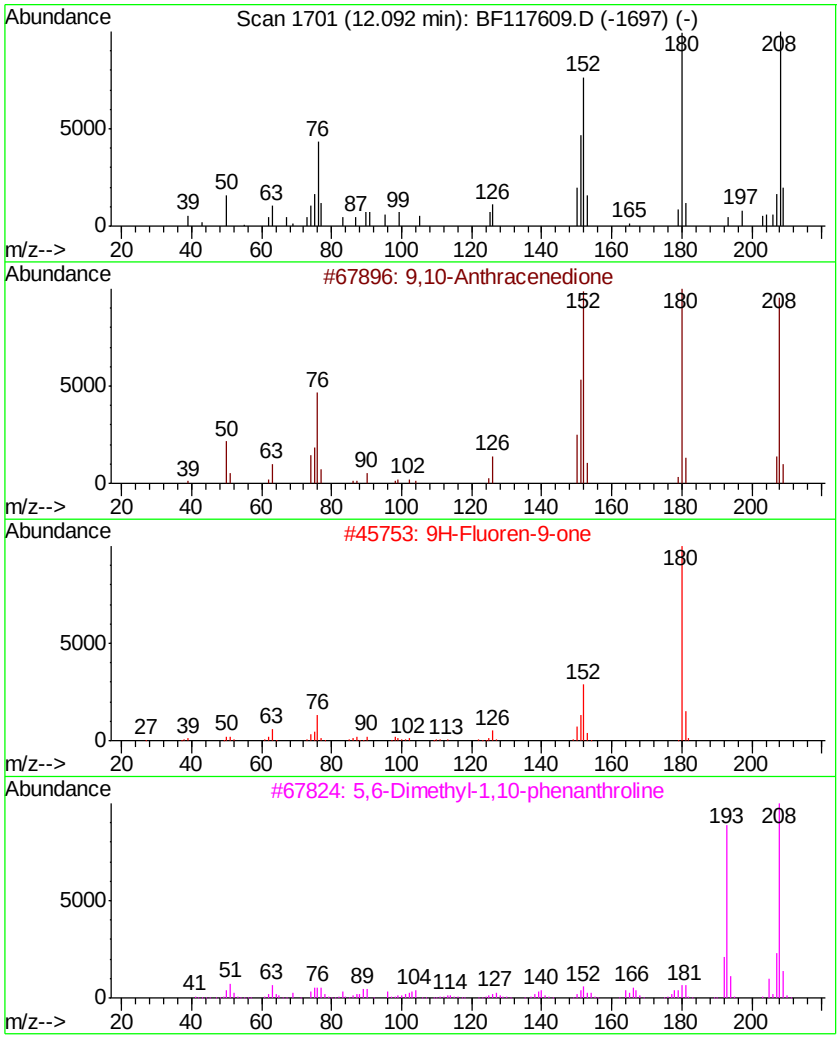
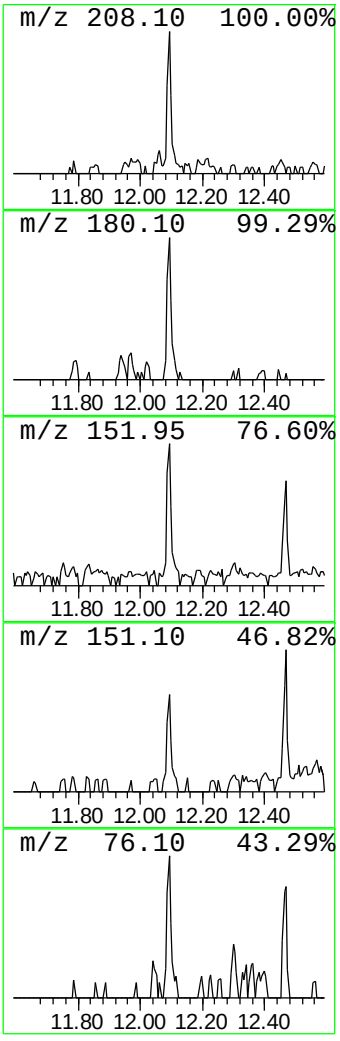
Peak Number 7 9,10-Anthracenedione Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	3.62 ng	41850	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	52
3	5,6-Dimethyl-1,10-phenanthroline	208	C14H12N2	003002-81-1	52
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	49
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	46





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ClientSampleId : CSA-2-1-4

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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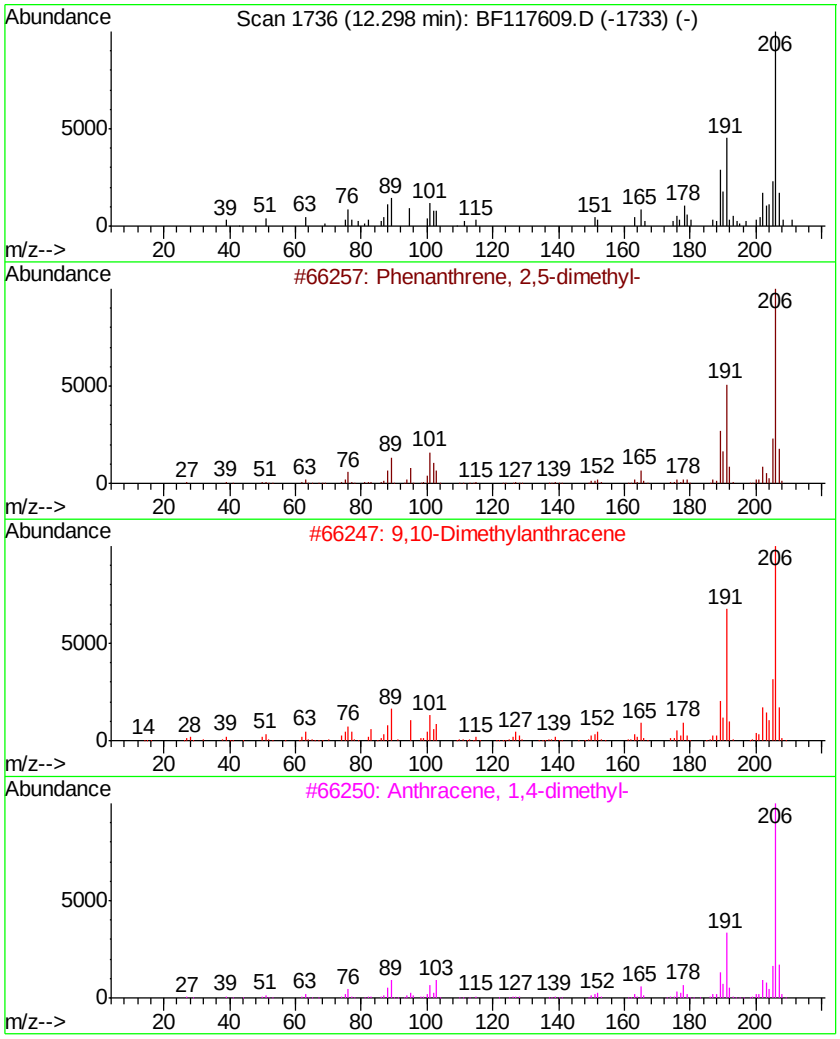
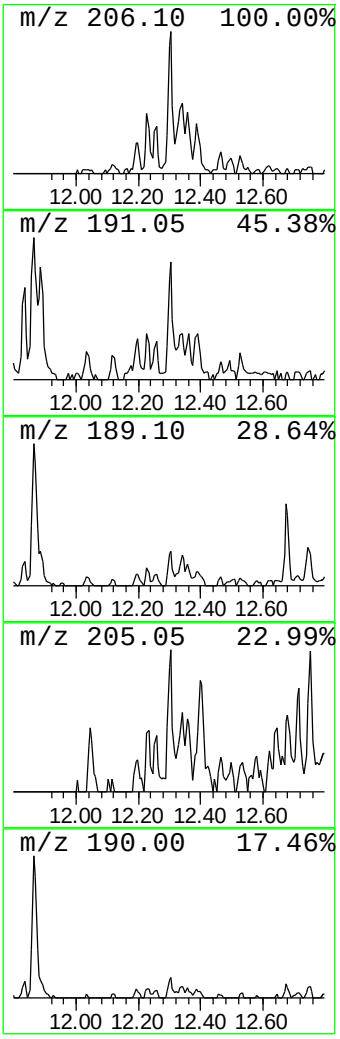
Peak Number 8 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	5.26 ng	60803	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	89





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Misc :
ALS Vial : 30 Sample Multiplier: 1

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ClientSampleId : CSA-2-1-4

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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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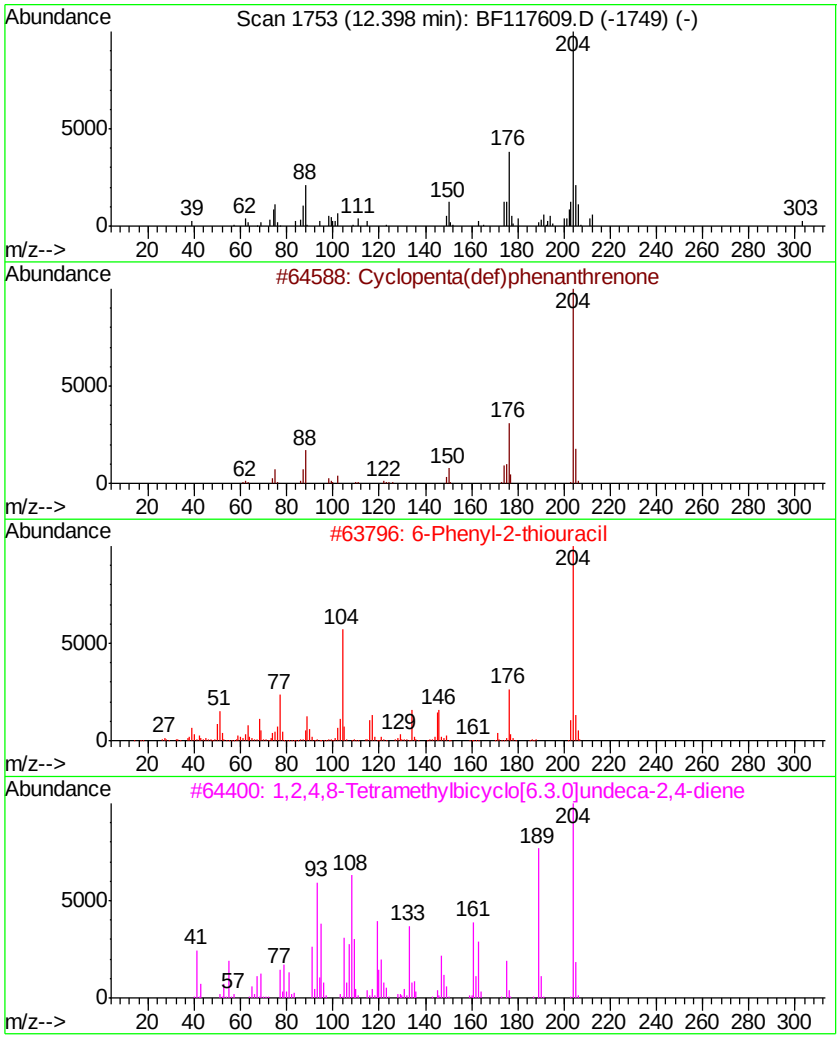
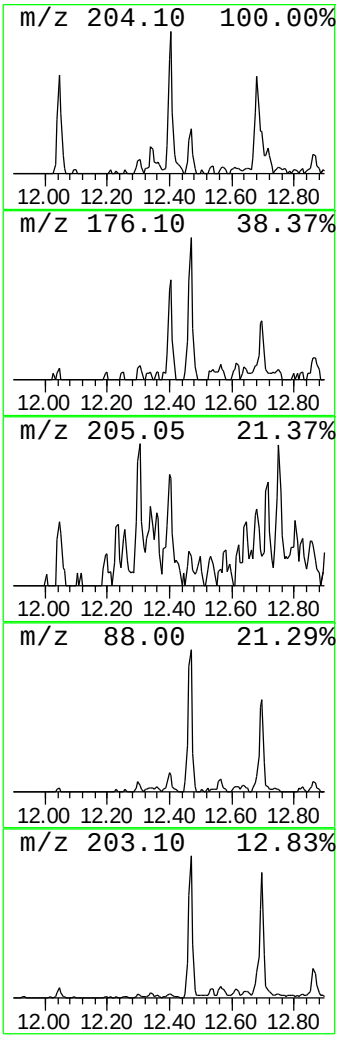
Peak Number 9 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	4.60 ng	53117	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2	6-Phenyl-2-thiouracil	204	C10H8N2OS	005590-94-3	53
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	50
4	4-Quinolinol, 5,8-dimethoxy-2-me...	219	C12H13NO3	1000337-90-3	47
5	Tricyclo[5.1.0.0(2,4)]octane, 5-...	247	C17H29N	1000063-59-3	43





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Misc :
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ClientSampleId : CSA-2-1-4

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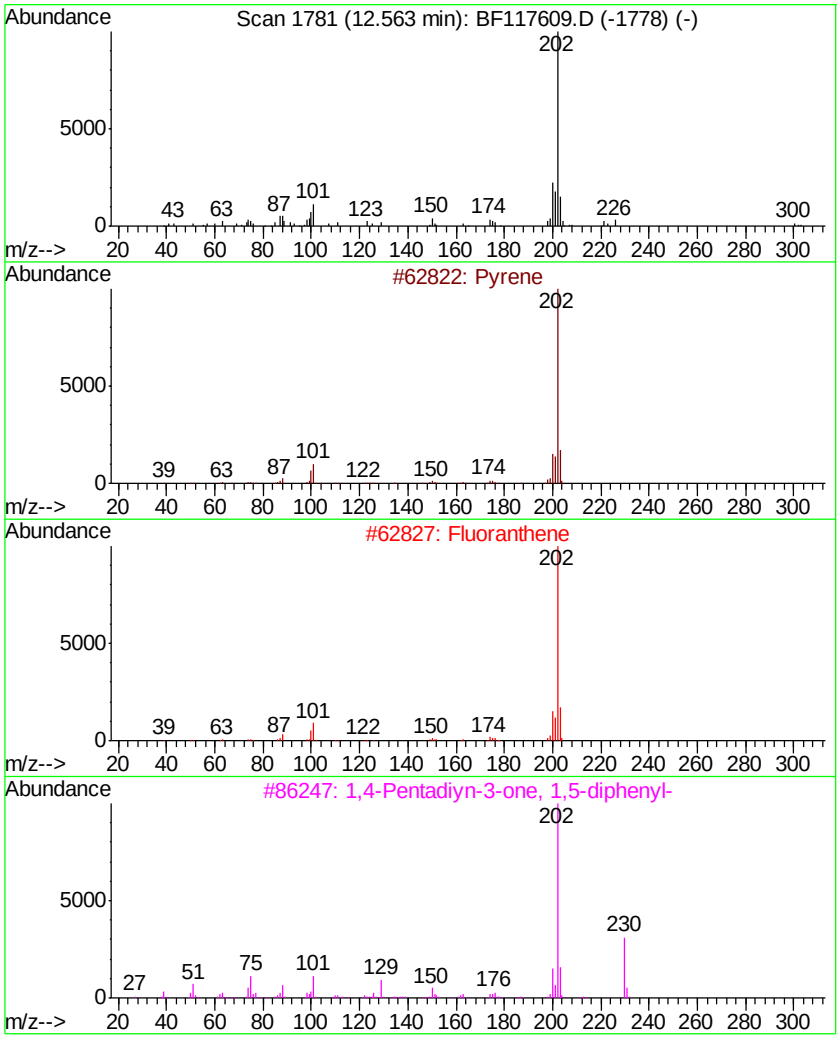
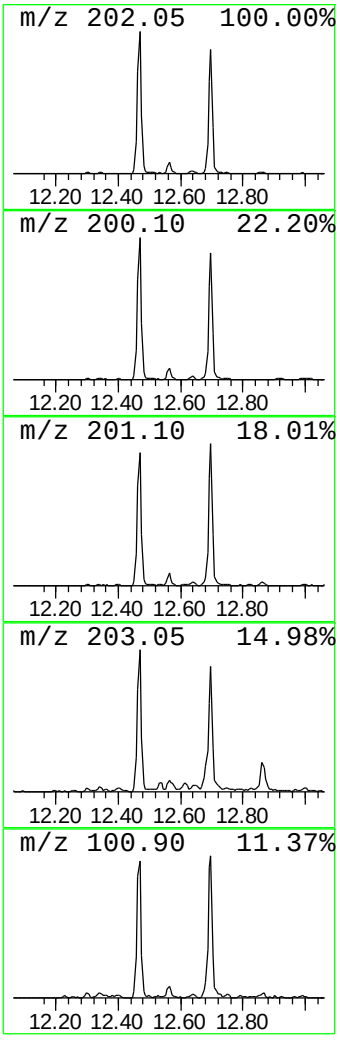
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 1,4-Pentadiyn-3-one, 1,5-di... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	5.40 ng	62392	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene	202	C16H10	000129-00-0	81
2	Fluoranthene	202	C16H10	000206-44-0	81
3	1,4-Pentadiyn-3-one, 1,5-diphenyl-	230	C17H10O	015814-30-9	78
4	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	68
5	2,3-Dichlorobenzo[b]thiophene	202	C8H4Cl2S	1000298-87-9	50





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Misc :
ALS Vial : 30 Sample Multiplier: 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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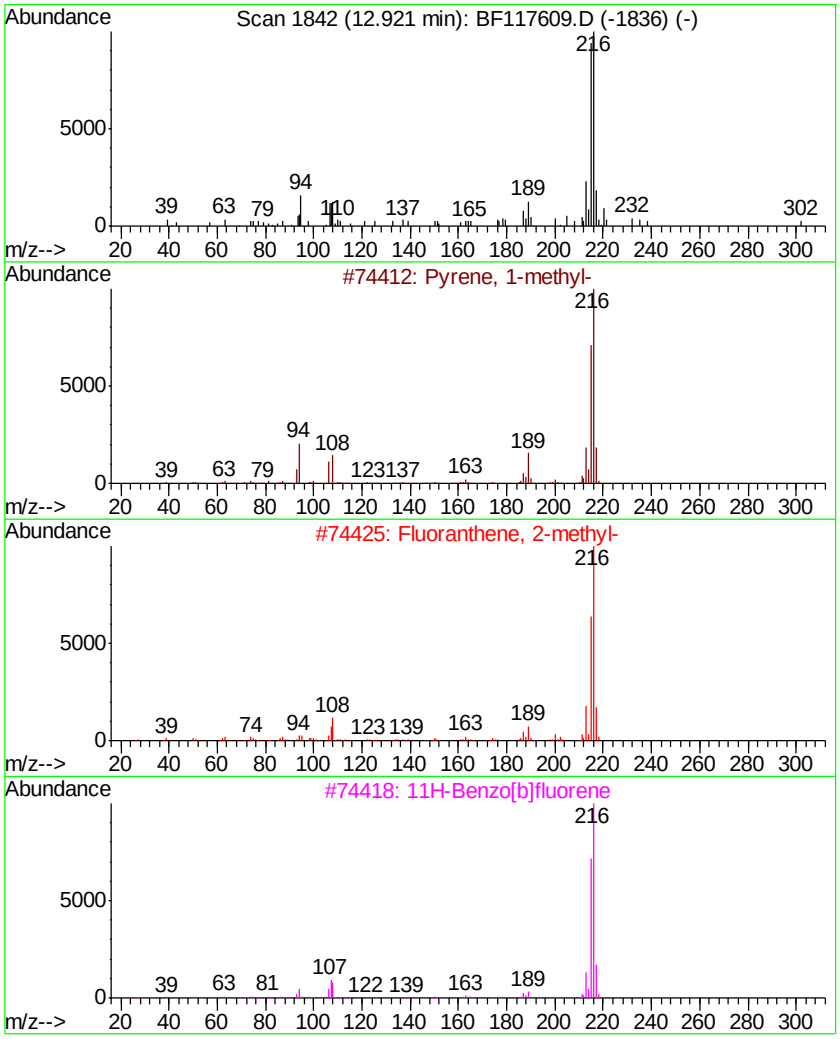
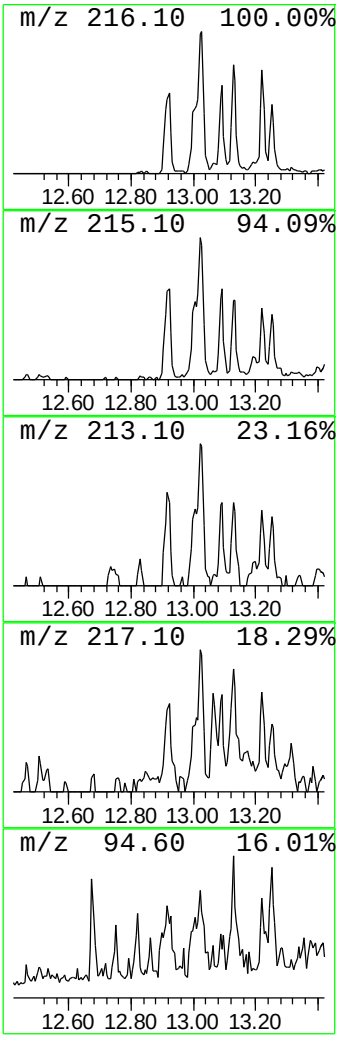
Peak Number 11 Pyrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.92	3.98 ng	111150	Chrysene-d12	13.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	89
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	68





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Sample : K5576-15 5X
Misc :
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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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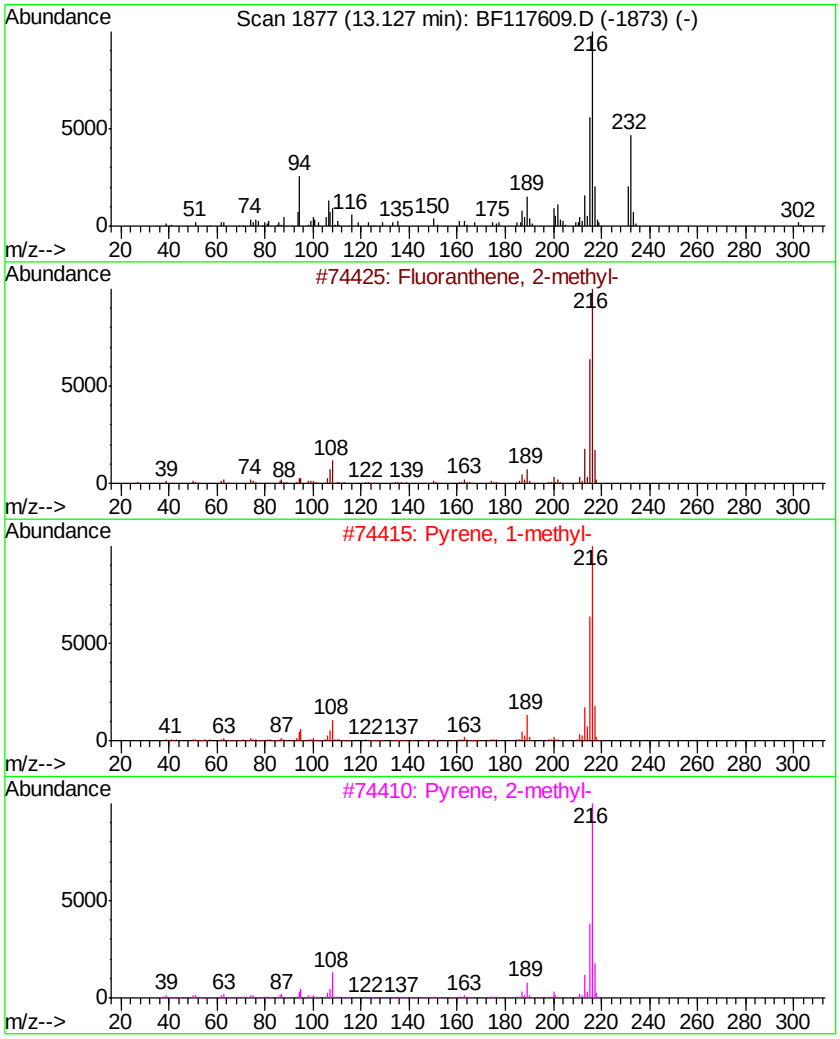
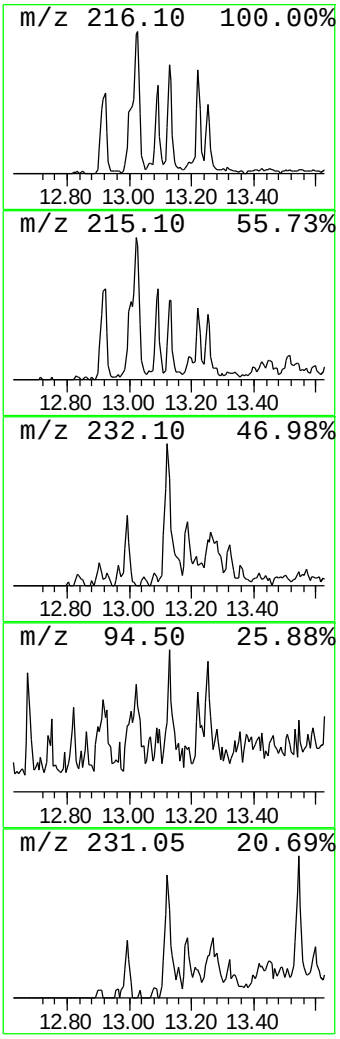
Peak Number 12 Fluoranthene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	3.30 ng	92194	Chrysene-d12	13.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	70
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	60
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	60
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	50





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Sample : K5576-15 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CSA-2-1-4

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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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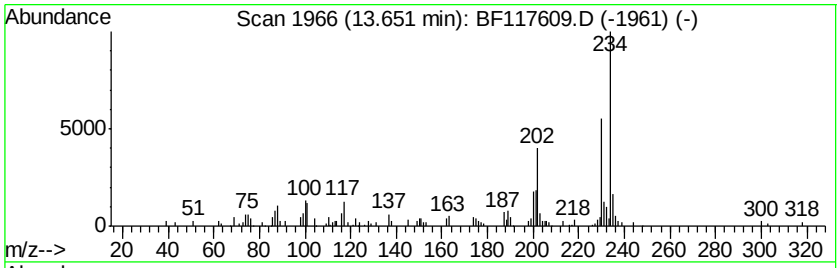
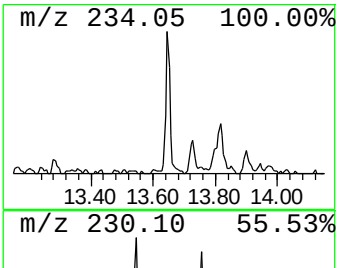
Peak Number 13 7H-Benz[de]anthracen-7-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.65	3.65 ng	101908	Chrysene-d12	13.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	86
2	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	64
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	55
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	55
5	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	46





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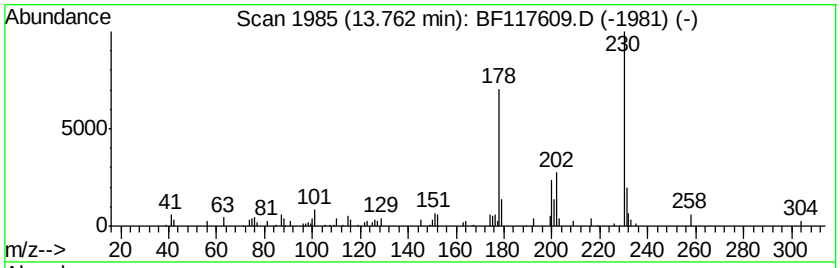
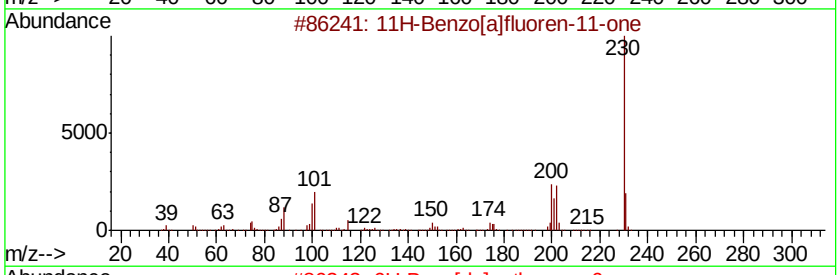
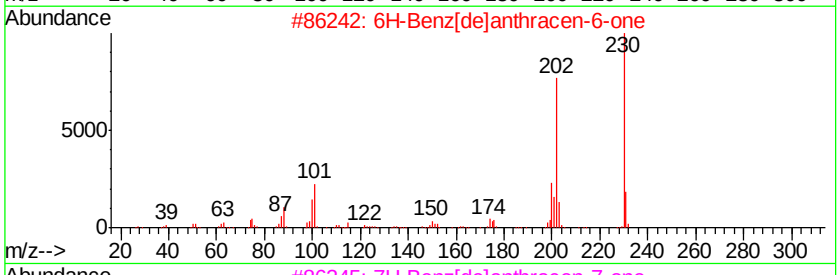
Peak Number 14 11H-Benzo[a]fluoren-11-one Concentration Rank 14

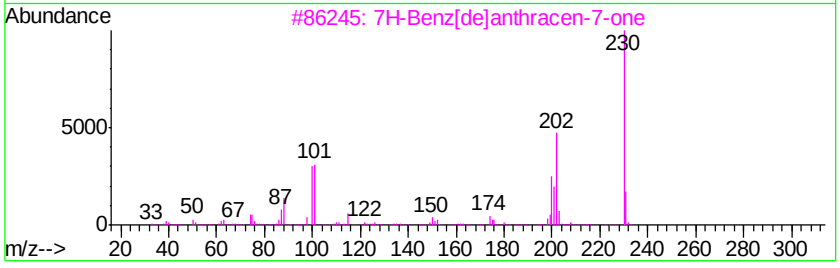
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	3.82 ng	106564	Chrysene-d12	13.90

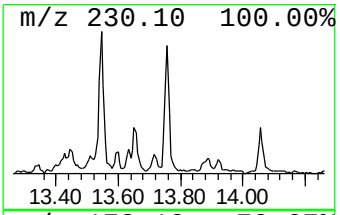
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	98
2	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	89
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	83
4	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	64
5	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	59

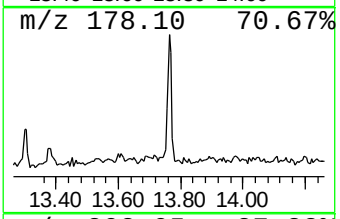


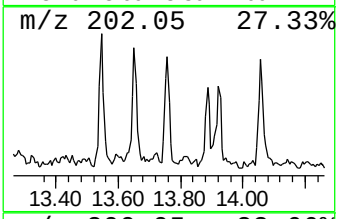


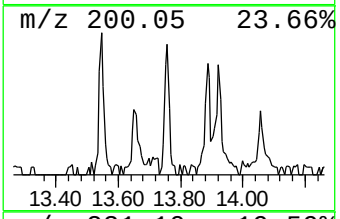


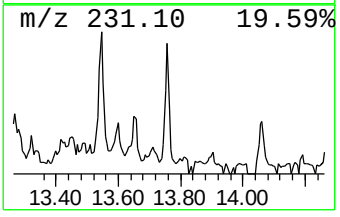












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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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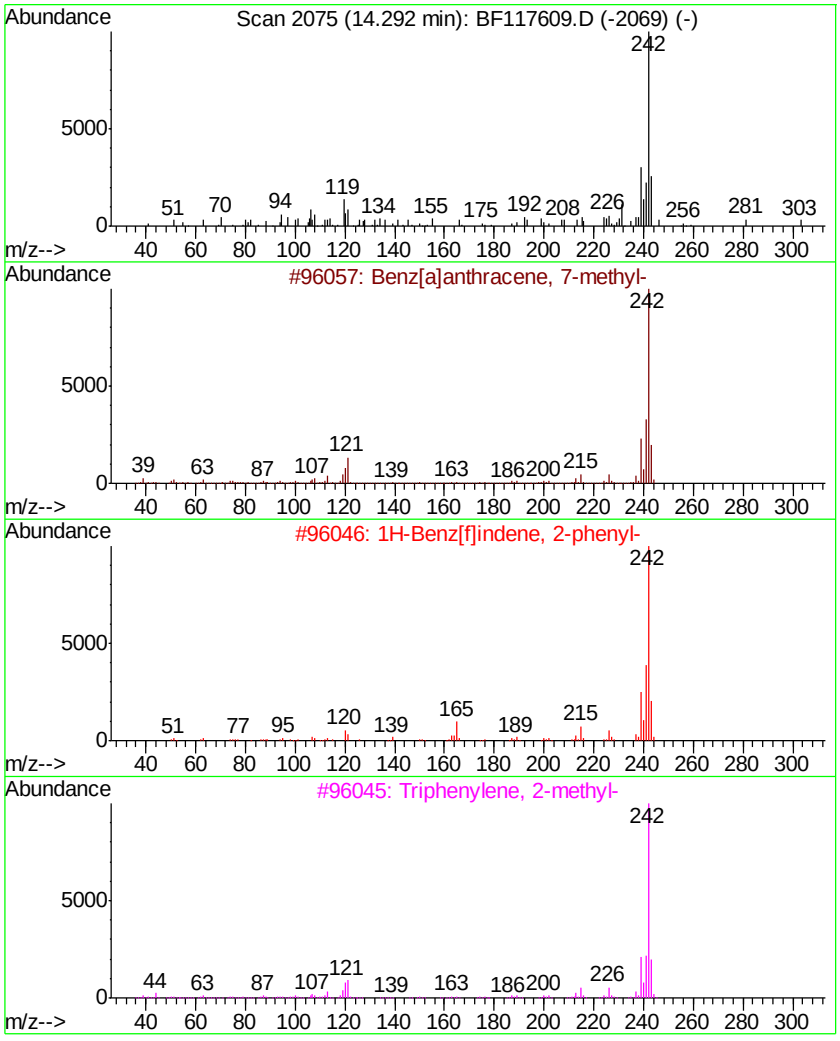
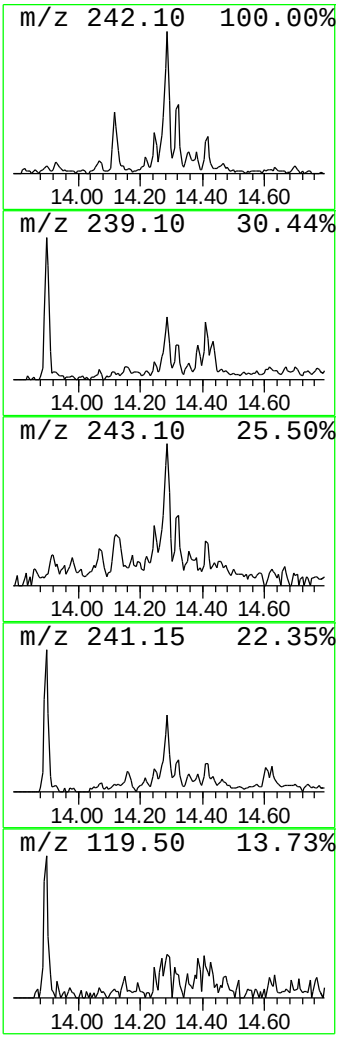
Peak Number 15 Benz[a]anthracene, 7-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.29	3.37 ng	94148	Chrysene-d12	13.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	95
2	1H-Benz[f]indene, 2-phenyl-	242	C19H14	1000305-22-4	95
3	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	95
4	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
5	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	91





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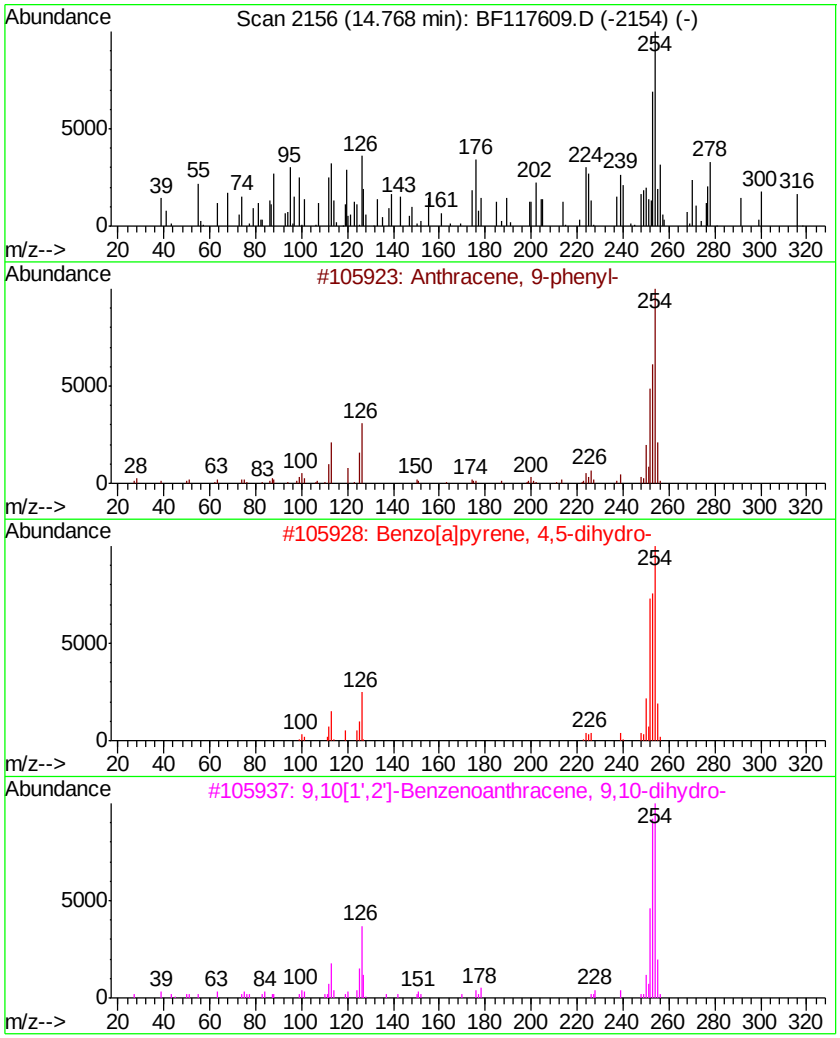
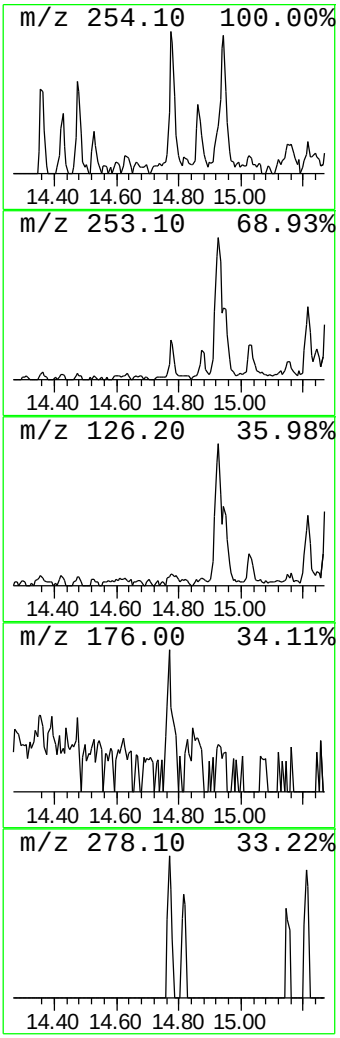
Peak Number 16 Anthracene, 9-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.77	8.38 ng	56904	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	89
2	Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	76
3	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	70
4	Benzo(a)pyrene, 7,8-dihydro-	254	C20H14	017573-23-8	70
5	1,2'-Binaphthalene	254	C20H14	004325-74-0	62





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117609.D
Acq On : 30 Oct 2019 00:20
Operator : JU
Sample : K5576-15 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CSA-2-1-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.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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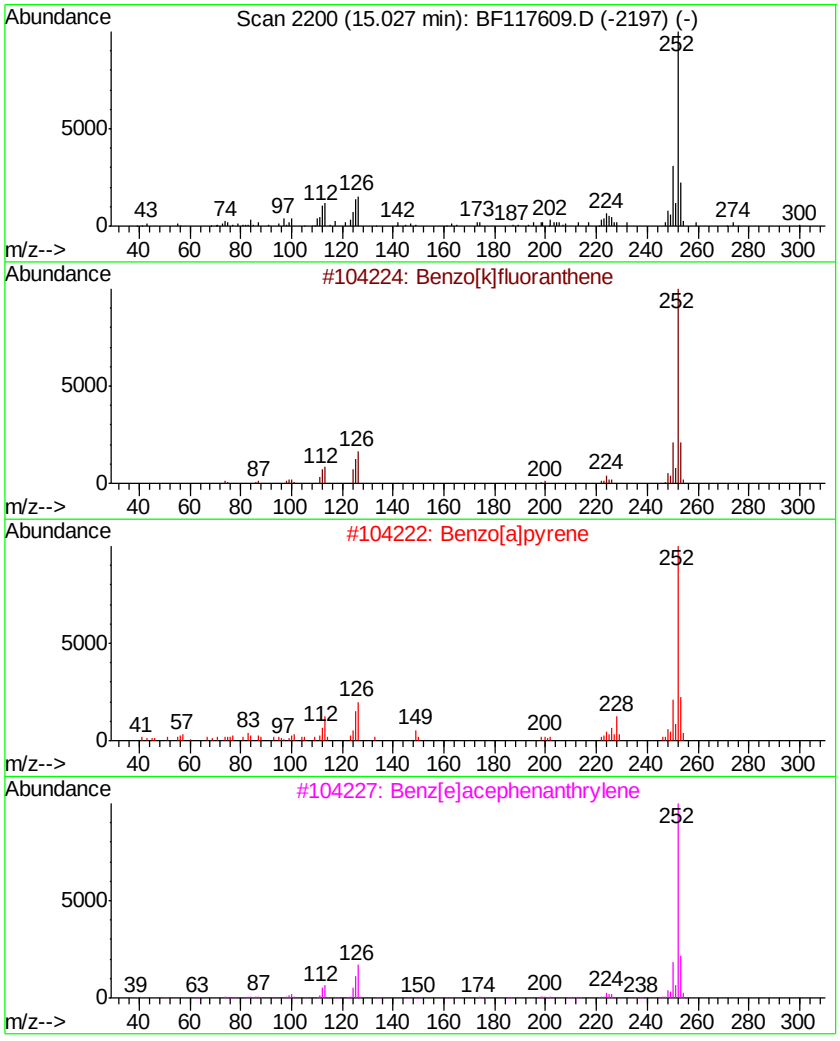
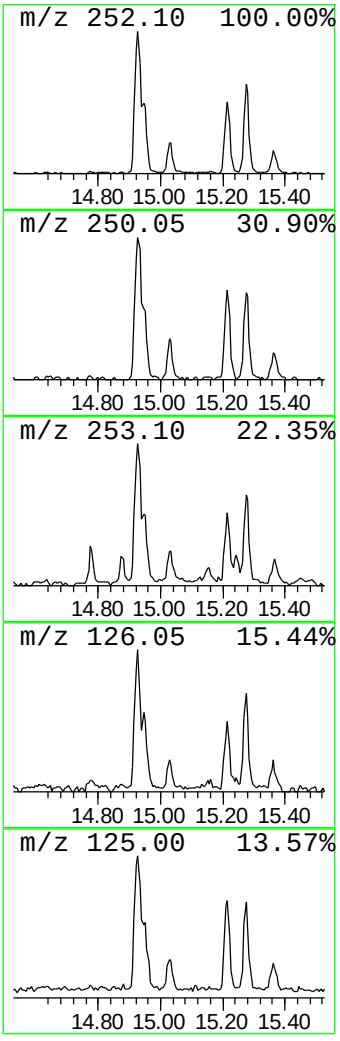
Peak Number 17 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.03	9.37 ng	63607	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
2	Benzo[a]pyrene	252	C20H12	000050-32-8	94
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	89
5	Benzo[e]pyrene	252	C20H12	000192-97-2	87





Library Search Compound Report

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Data File : BF117609.D
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Operator : JU
Sample : K5576-15 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CSA-2-1-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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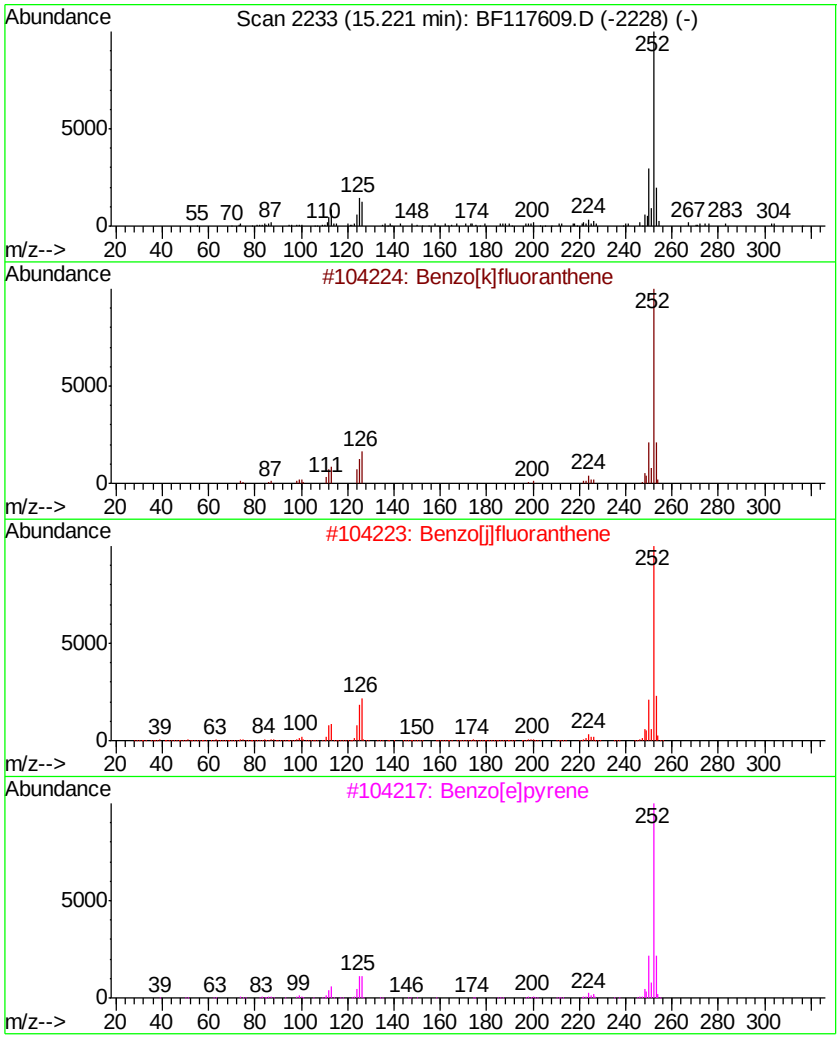
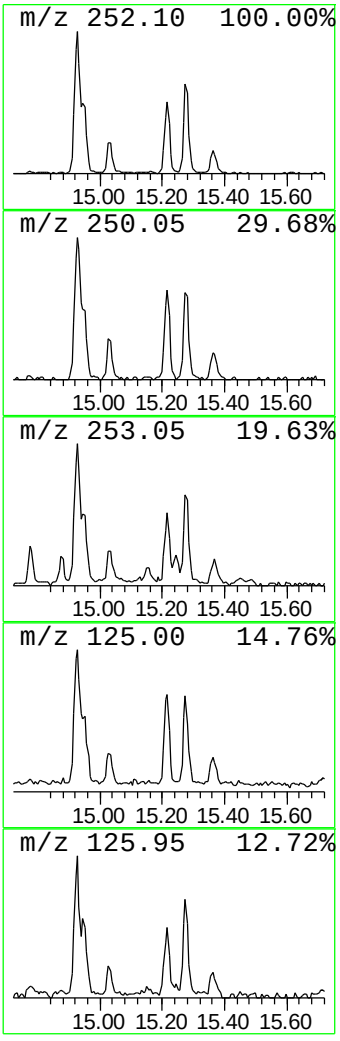
Peak Number 18 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.22	20.71 ng	140672	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
2	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94
3	Benzo[e]pyrene	252	C20H12	000192-97-2	93
4	Perylene	252	C20H12	000198-55-0	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





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Data File : BF117609.D
Acq On : 30 Oct 2019 00:20
Operator : JU
Sample : K5576-15 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CSA-2-1-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.M
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TIC Library : C:\DATABASE\NIST11.L
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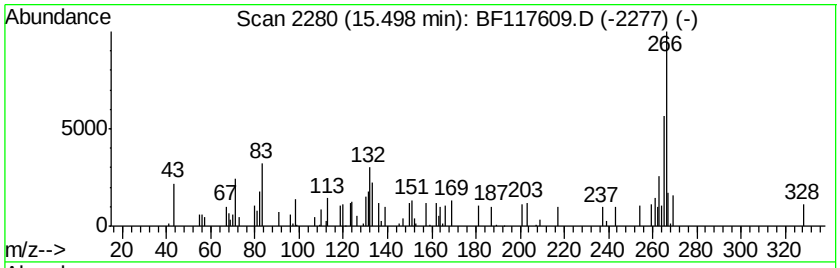
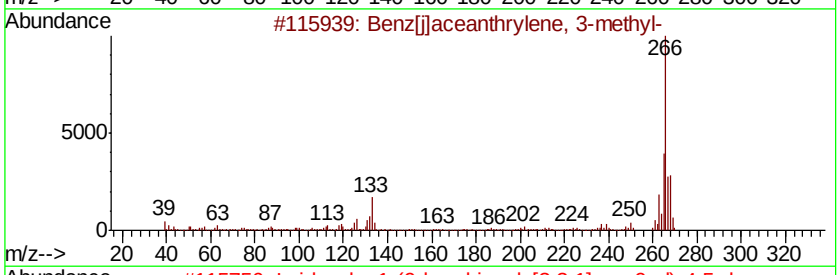
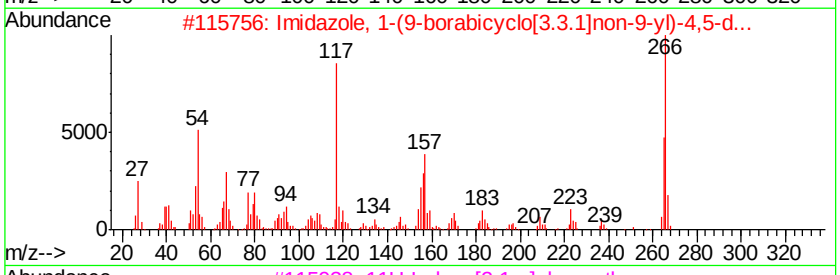
Peak Number 19 Benz[j]aceanthrylene, 3-met... Concentration Rank 12

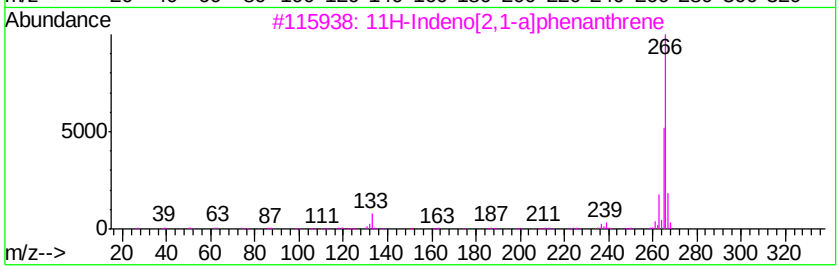
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.50	4.12 ng	27975	Perylene-d12	15.33

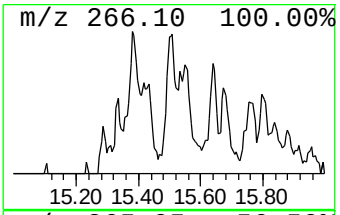
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[j]aceanthrylene, 3-methyl-	266	C21H14	003343-10-0	59
2	Imidazole, 1-(9-borabicyclo[3.3....	266	C17H23BN2	1000162-57-9	49
3	11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	47
4	13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	47
5	4'-Amino-4-dimethylaminochalcone	266	C17H18N2O	025870-72-8	38

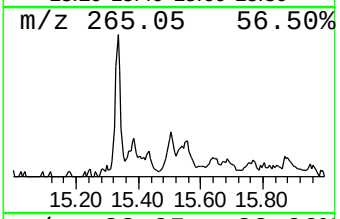


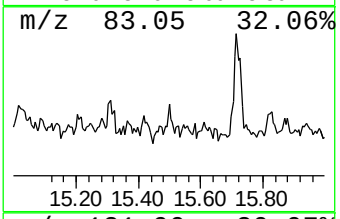


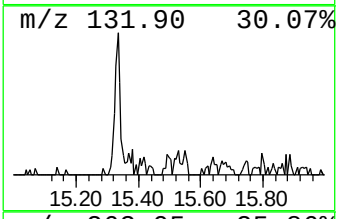


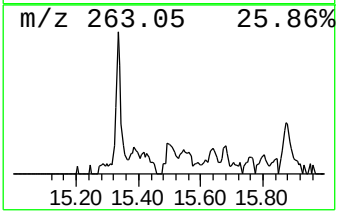












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Misc :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

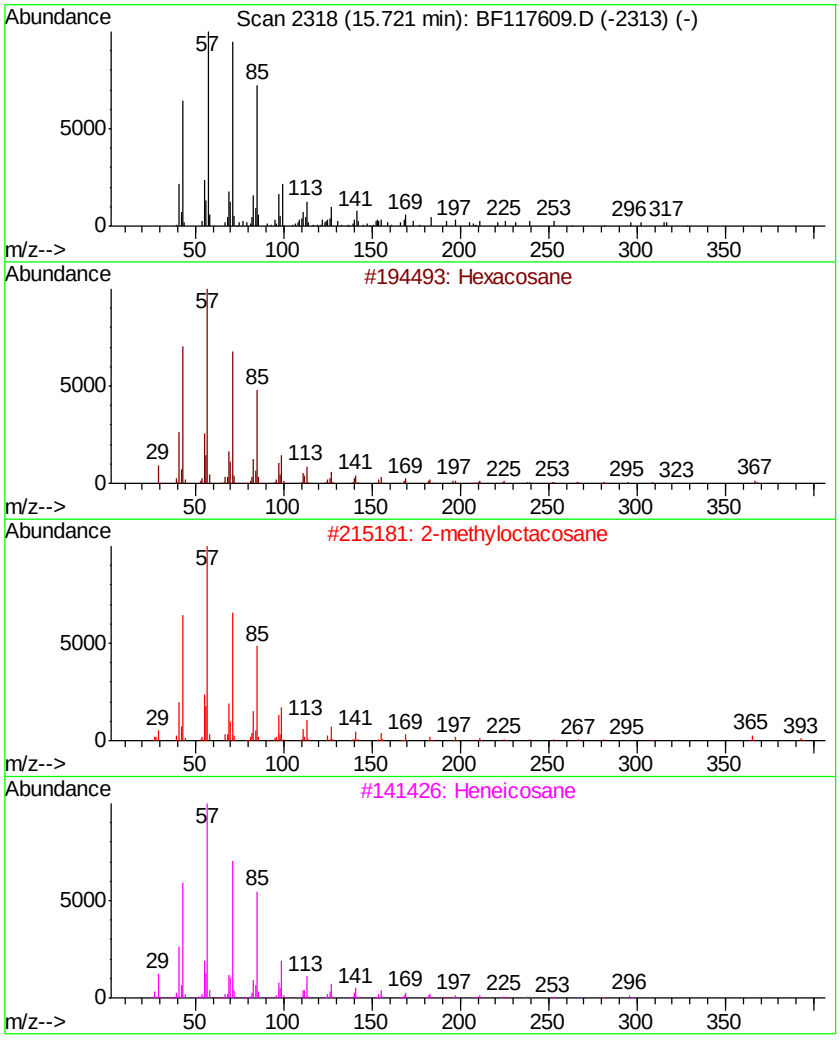
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

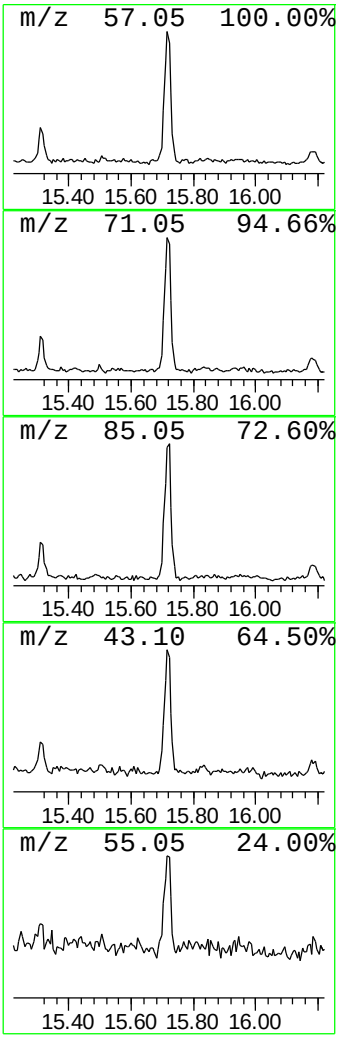
****

Peak Number 20 Hexacosane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	21.92 ng	148845	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	91
2	2-methyloctacosane	408	C29H60	1000376-72-8	91
3	Heneicosane	296	C21H44	000629-94-7	90
4	Triacontane	422	C30H62	000638-68-6	83
5	Tetracosane	338	C24H50	000646-31-1	83





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF102919\
Data File : BF117609.D
Acq On : 30 Oct 2019 00:20
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Misc :
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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
unknown6.51	6.51	16.4	ng	159252	1	6.73	193736	20.0
Anthracene, 1-met...	11.75	3.6	ng	41494	4	11.25	231128	20.0
Anthracene, 2-met...	11.78	6.3	ng	72437	4	11.25	231128	20.0
4H-Cyclopenta[def...	11.86	8.1	ng	93884	4	11.25	231128	20.0
5,16[1',2']:8,13[...	12.05	3.2	ng	37339	4	11.25	231128	20.0
9,10-Anthracenedione	12.09	3.6	ng	41850	4	11.25	231128	20.0
Phenanthrene, 2,5...	12.30	5.3	ng	60803	4	11.25	231128	20.0
Cyclopenta(def)ph...	12.40	4.6	ng	53117	4	11.25	231128	20.0
1,4-Pentadiyn-3-o...	12.56	5.4	ng	62392	4	11.25	231128	20.0
Pyrene, 1-methyl-	12.92	4.0	ng	111150	5	13.90	558315	20.0
Fluoranthene, 2-m...	13.13	3.3	ng	92194	5	13.90	558315	20.0
7H-Benz[de]anthra...	13.65	3.6	ng	101908	5	13.90	558315	20.0
11H-Benzo[a]fluor...	13.76	3.8	ng	106564	5	13.90	558315	20.0
Benz[a]anthracene...	14.29	3.4	ng	94148	5	13.90	558315	20.0
Anthracene, 9-phe...	14.77	8.4	ng	56904	6	15.33	135822	20.0
Benzo[e]pyrene	15.03	9.4	ng	63607	6	15.33	135822	20.0
Perylene	15.22	20.7	ng	140672	6	15.33	135822	20.0
Benz[j]aceanthryl...	15.50	4.1	ng	27975	6	15.33	135822	20.0
Hexacosane	15.72	21.9	ng	148845	6	15.33	135822	20.0