LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120820\
Data File : BF122602.D
Acq On : 8 Dec 2020 22:26
Operator : JU/CG
Sample : L4965-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CRT012

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-BF120520.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF122602.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.051	499	504	515	rVB	83020	106379	2.65%	0.200%
2	5.457	568	573	576	rBV	3440949	3208260	80.04%	6.041%
3	5.781	625	628	640	rBV	68493	82861	2.07%	0.156%
4	6.469	740	745	765	rBV	3429436	3463575	86.41%	6.522%
5	6.663	776	778	791	rVB	189583	179169	4.47%	0.337%
6	6.840	804	808	811	rBV	1191218	1004919	25.07%	1.892%
7	7.398	898	903	906	rBV	2348910	2173840	54.24%	4.093%
8	8.122	1022	1026	1029	rBV	1649610	1342140	33.49%	2.527%
9	9.198	1204	1209	1212	rBV	4523423	3768199	94.02%	7.095%
10	9.592	1273	1276	1280	rVV	272315	258416	6.45%	0.487%
11	9.733	1298	1300	1306	rVB	99363	91165	2.27%	0.172%
12	9.875	1318	1324	1327	rBV	1862109	1626846	40.59%	3.063%
13	9.910	1327	1330	1333	rVB	135751	126493	3.16%	0.238%
14	10.080	1354	1359	1363	rBV	93545	87272	2.18%	0.164%
15	10.422	1413	1417	1422	rVB2	146449	133678	3.34%	0.252%
16	10.580	1441	1444	1448	rVB	73035	62922	1.57%	0.118%
17	10.663	1454	1458	1465	rBV	2528204	2285146	57.01%	4.303%
18	10.786	1475	1479	1486	rVB3	43349	72148	1.80%	0.136%
19	10.969	1505	1510	1513	rBV3	52999	74308	1.85%	0.140%
20	11.098	1527	1532	1534	rBV3	66921	77015	1.92%	0.145%
21	11.122	1534	1536	1541	rVV	77102	83593	2.09%	0.157%
22	11.163	1541	1543	1548	rVV	107490	107560	2.68%	0.203%
23	11.210	1548	1551	1557	rVV4	74122	141553	3.53%	0.267%
24	11.257	1557	1559	1565	rVB	110996	104178	2.60%	0.196%
25	11.363	1573	1577	1579	rBV	1893531	1739273	43.39%	3.275%
26	11.386	1579	1581	1584	rVV	1896948	1432610	35.74%	2.698%
27	11.433	1584	1589	1593	rVV	401187	398754	9.95%	0.751%
28	11.469	1593	1595	1599	rVB2	66289	65032	1.62%	0.122%
29	11.592	1610	1616	1618	rBV2	143354	170929	4.26%	0.322%
30	11.657	1625	1627	1631	rVV2	80973	59453	1.48%	0.112%
31	11.692	1631	1633	1638	rVB3	59333	59777	1.49%	0.113%
32	11.863	1657	1662	1664	rBV	325730	288401	7.20%	0.543%
33	11.892	1664	1667	1671	rVV	448559	394104	9.83%	0.742%
34	11.939	1671	1675	1677	rVV	182597	166229	4.15%	0.313%
35	11.974	1677	1681	1683	rVV	453366	485738	12.12%	0.915%
36	11.998	1683	1685	1689	rVB	242582	198525	4.95%	0.374%

LSC Area Percent Report

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Operator : JU/CG
Sample : L4965-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CRT012

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-BF120520.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.157	1709	1712	1714	rBV	207332	167526	4.18%	0.315%
38	12.180	1714	1716	1720	rVB	187605	149041	3.72%	0.281%
39	12.310	1735	1738	1740	rVB2	79934	65813	1.64%	0.124%
40	12.339	1740	1743	1745	rBV	85326	60389	1.51%	0.114%
41	12.363	1745	1747	1750	rVB	81954	64438	1.61%	0.121%
42	12.410	1750	1755	1759	rBV	215177	286959	7.16%	0.540%
43	12.451	1759	1762	1764	rVV	151364	170100	4.24%	0.320%
44	12.498	1767	1770	1775	rVB2	222922	248295	6.19%	0.468%
45	12.574	1779	1783	1787	rBV	2594465	2291501	57.17%	4.315%
46	12.669	1796	1799	1801	rVB	91880	70985	1.77%	0.134%
47	12.704	1801	1805	1807	rBV2	67582	84292	2.10%	0.159%
48	12.727	1807	1809	1812	rVV	67499	59456	1.48%	0.112%
49	12.804	1816	1822	1825	rBV2	2374156	2518062	62.82%	4.741%
50	12.851	1828	1830	1835	rVB2	151438	180683	4.51%	0.340%
51	12.921	1835	1842	1843	rBV	193004	197652	4.93%	0.372%
52	12.951	1843	1847	1853	rVB	4060503	4008079	100.00%	7.547%
53	13.021	1853	1859	1863	rBV2	237333	394188	9.83%	0.742%
54	13.110	1870	1874	1875	rBV2	179544	212729	5.31%	0.401%
55	13.133	1875	1878	1881	rVB	332949	345249	8.61%	0.650%
56	13.198	1881	1889	1891	rBV	230820	263190	6.57%	0.496%
57	13.233	1891	1895	1898	rVV2	383658	390642	9.75%	0.736%
58	13.327	1908	1911	1914	rBV	222608	178010	4.44%	0.335%
59	13.357	1914	1916	1920	rBV2	194767	177586	4.43%	0.334%
60	13.533	1938	1946	1948	rBV7	78946	183502	4.58%	0.346%
61	13.639	1961	1964	1968	rVB	246939	265989	6.64%	0.501%
62	13.751	1977	1983	1985	rBV2	175874	273306	6.82%	0.515%
63	13.780	1985	1988	1990	rVV	203034	187935	4.69%	0.354%
64	13.804	1990	1992	1996	rVB2	131143	164051	4.09%	0.309%
65	13.845	1996	1999	2002	rBV	203844	177469	4.43%	0.334%
66	13.998	2018	2025	2028	rBV2	1888246	2839011	70.83%	5.346%
67	14.027	2028	2030	2035	rVB	1215572	1020848	25.47%	1.922%
68	14.104	2041	2043	2046	rBV	140009	101850	2.54%	0.192%
69	14.227	2060	2064	2067	rBV3	81313	119620	2.98%	0.225%
70	14.351	2082	2085	2087	rBV	80376	73767	1.84%	0.139%
71	14.386	2087	2091	2094	rVV	310959	307770	7.68%	0.580%
72	14.421	2094	2097	2100	rVB2	168647	152339	3.80%	0.287%
73	14.480	2100	2107	2109	rBV4	120498	192328	4.80%	0.362%
74	14.510	2109	2112	2114	rVV2	145576	142726	3.56%	0.269%
75	14.533	2114	2116	2120	rVB3	126583	108003	2.69%	0.203%
76	14.692	2140	2143	2146	rBV3	69807	92569	2.31%	0.174%

LSC Area Percent Report

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Operator : JU/CG
Sample : L4965-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CRT012

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
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Stop Thrs : 0 Peak Location: TOP

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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.721	2146	2148	2154	rVV6	57136	85101	2.12%	0.160%
78	14.774	2154	2157	2159	rVV2	62486	63850	1.59%	0.120%
79	14.804	2160	2162	2166	rVB3	56797	66828	1.67%	0.126%
80	14.945	2183	2186	2190	rBV2	55641	59021	1.47%	0.111%
81	15.039	2197	2202	2205	rBV	927036	1388906	34.65%	2.615%
82	15.145	2217	2220	2223	rVB	199718	191910	4.79%	0.361%
83	15.251	2232	2238	2242	rBV3	63212	149412	3.73%	0.281%
84	15.292	2242	2245	2248	rVV3	59578	85036	2.12%	0.160%
85	15.339	2248	2253	2259	rVB	595279	778948	19.43%	1.467%
86	15.404	2259	2264	2269	rBV	838610	1040702	25.97%	1.960%
87	15.462	2269	2274	2277	rBV	1050069	1302827	32.51%	2.453%
88	15.492	2277	2279	2286	rVB2	246702	324539	8.10%	0.611%
89	15.815	2332	2334	2341	rVB3	51787	83070	2.07%	0.156%
90	15.892	2343	2347	2350	rBV3	43918	68693	1.71%	0.129%
91	16.015	2365	2368	2373	rBV3	54571	77480	1.93%	0.146%
92	16.580	2462	2464	2481	rVB8	65728	159289	3.97%	0.300%
93	16.727	2483	2489	2492	rBV2	58662	131644	3.28%	0.248%
94	16.909	2514	2520	2530	rVB2	380855	720807	17.98%	1.357%
95	16.986	2530	2533	2542	rVB2	32879	72763	1.82%	0.137%
96	17.086	2544	2550	2555	rBV	89467	180097	4.49%	0.339%
97	17.139	2555	2559	2565	rBV3	66581	130795	3.26%	0.246%
98	17.351	2588	2595	2606	rVB	290202	593452	14.81%	1.117%
99	17.580	2629	2634	2640	rVB	67386	126418	3.15%	0.238%
100	18.521	2785	2794	2803	rVB8	33797	117682	2.94%	0.222%

Sum of corrected areas: 53107678

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120820\
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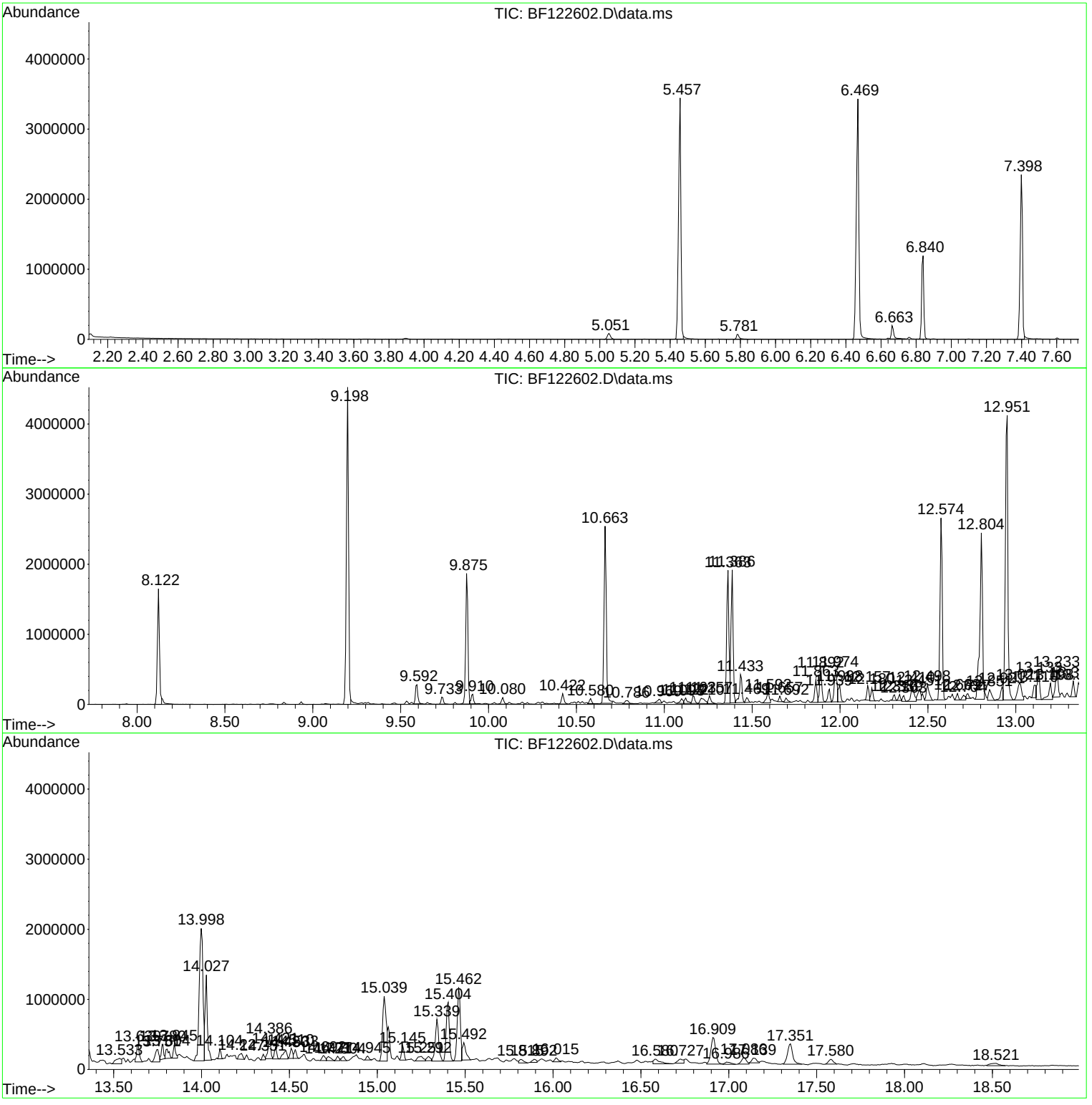
Sample : L4965-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CRT012

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.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\BF120820\
Data File : BF122602.D
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Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
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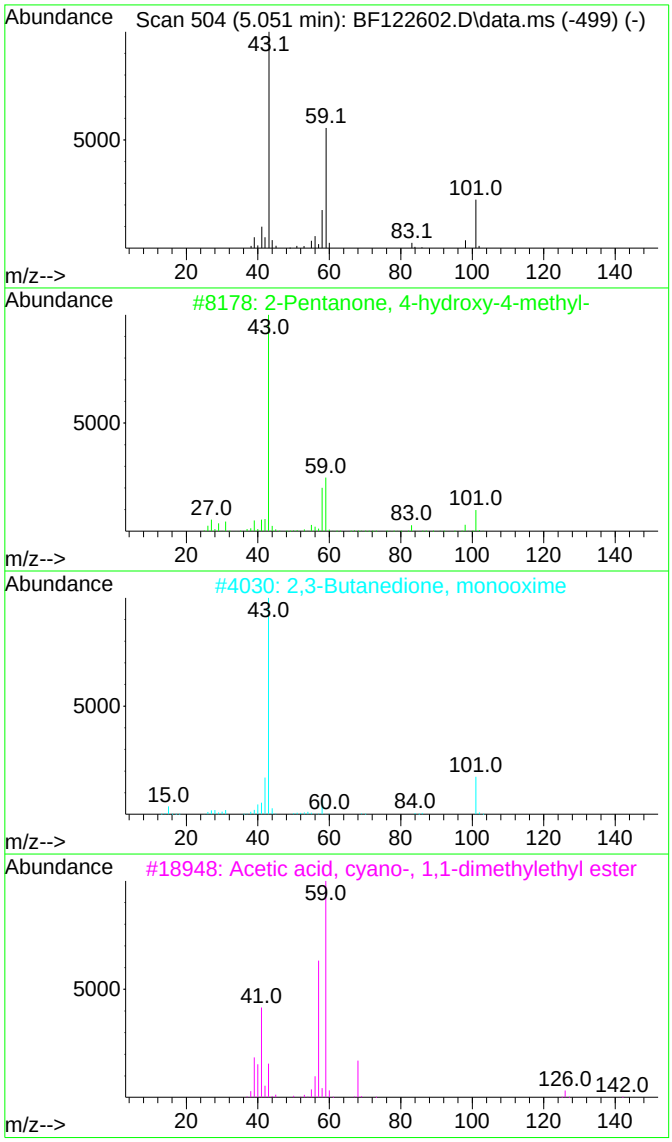
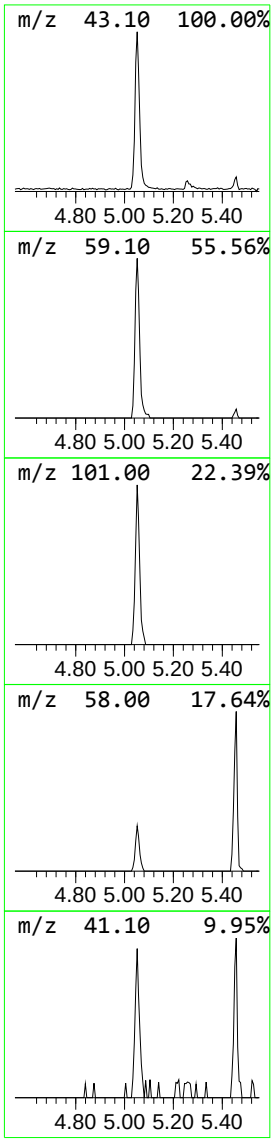
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.051	2.12 ng	106379	1,4-Dichlorobenzene-d4	6.840

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
4	Acetone	58	C3H6O	000067-64-1	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120820\
Data File : BF122602.D
Acq On : 8 Dec 2020 22:26
Operator : JU/CG
Sample : L4965-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CRT012

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

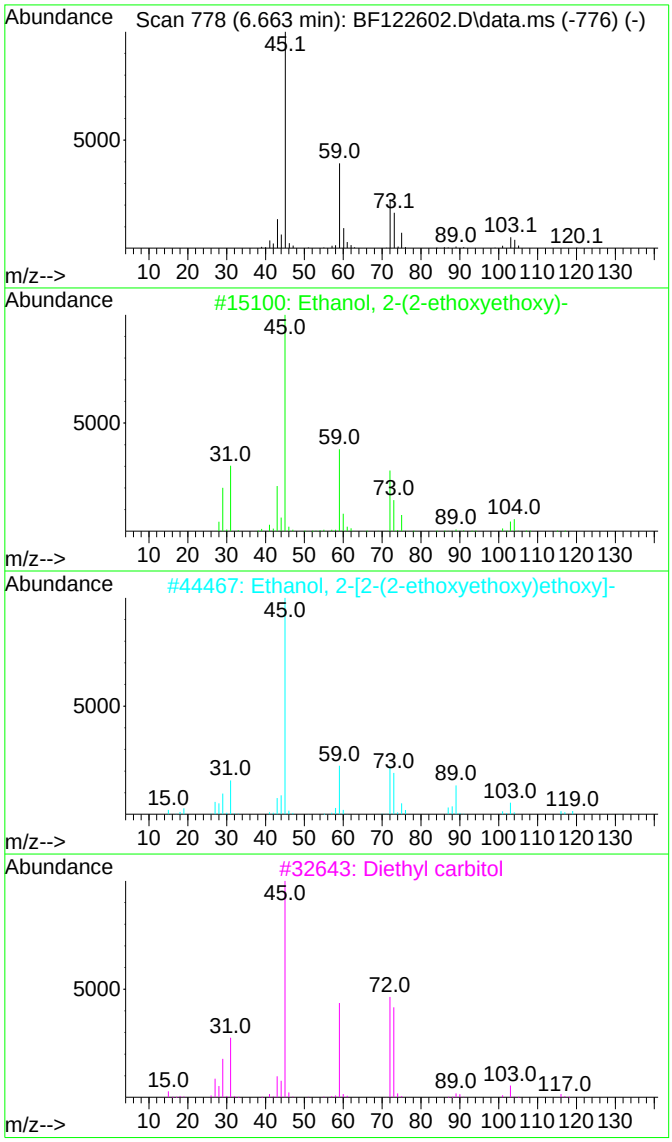
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

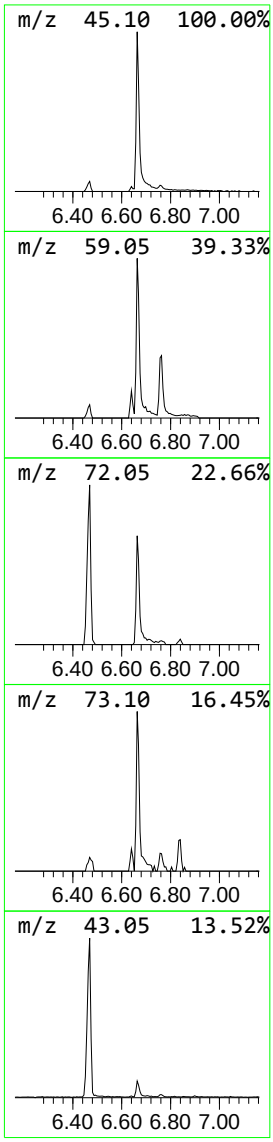
****

Peak Number 2 Ethanol, 2-(2-ethoxyethoxy)- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.663	3.57 ng	179169	1,4-Dichlorobenzene-d4	6.840

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(2-ethoxyethoxy)-	134	C6H14O3	000111-90-0	83
2	Ethanol, 2-[2-(2-ethoxyethoxy)et...	178	C8H18O4	000112-50-5	59
3	Diethyl carbitol	162	C8H18O3	000112-36-7	56
4	Ethanol, 2-(2-methoxyethoxy)-	120	C5H12O3	000111-77-3	45
5	Methyl 2-(2-methoxyethoxy)acetate	148	C6H12O4	1000366-88-1	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120820\
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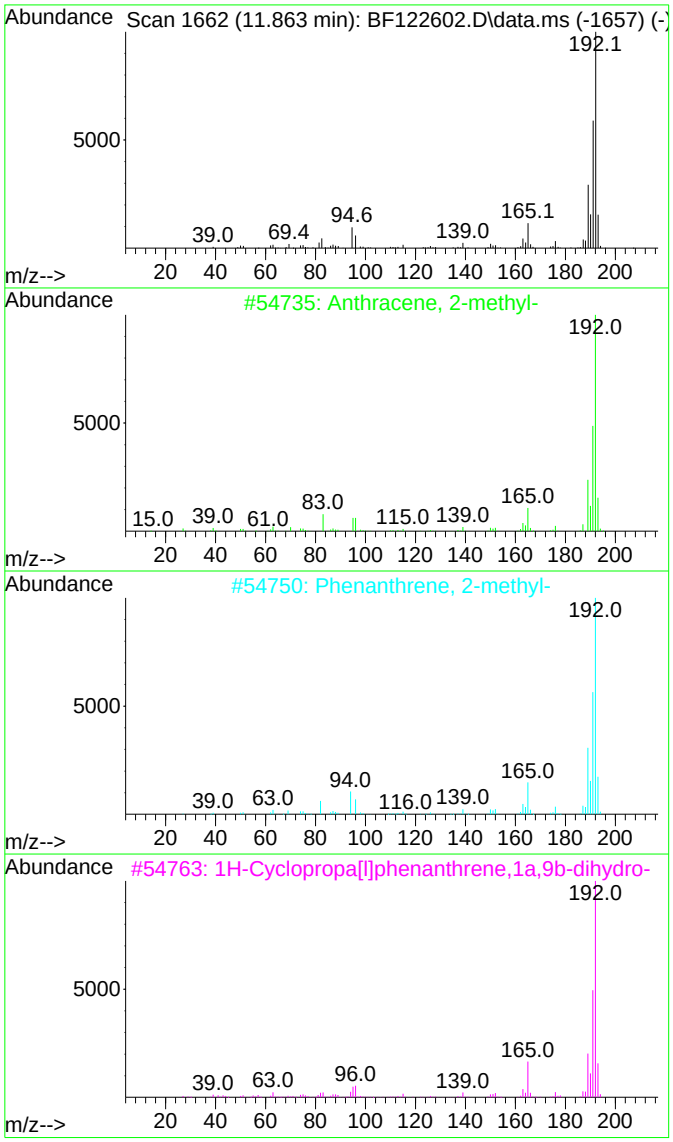
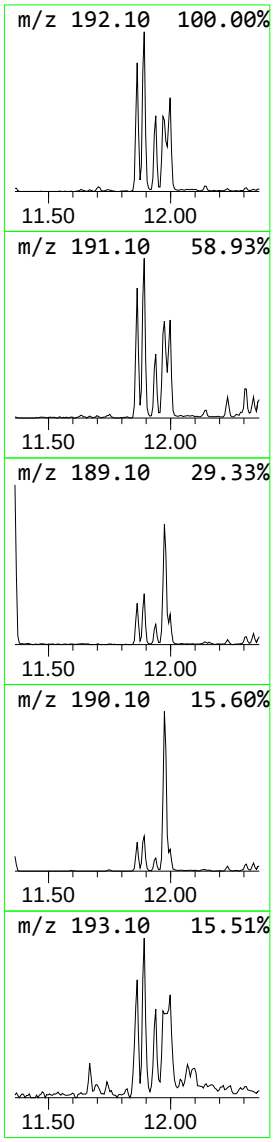
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.863	3.32 ng	288401	Phenanthrene-d10	11.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120820\
Data File : BF122602.D
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Operator : JU/CG
Sample : L4965-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CRT012

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

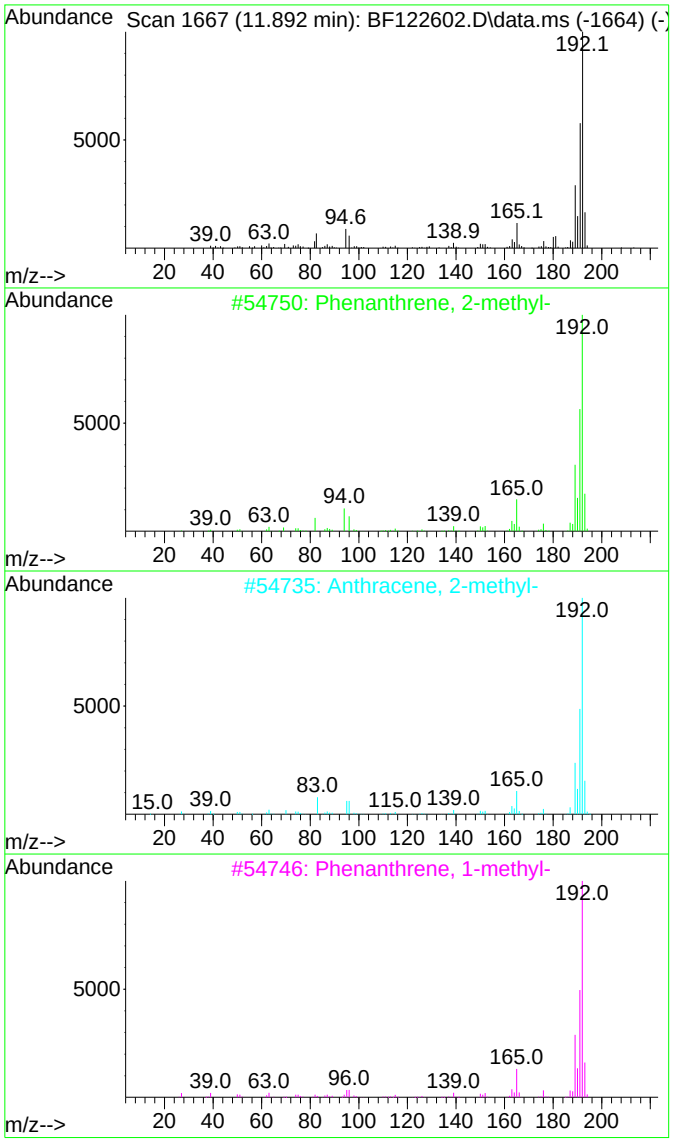
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

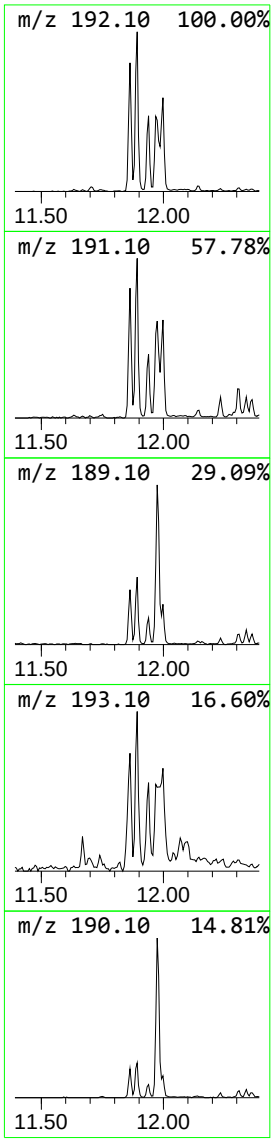
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.892	4.53 ng	394104	Phenanthrene-d10	11.363

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	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120820\
Data File : BF122602.D
Acq On : 8 Dec 2020 22:26
Operator : JU/CG
Sample : L4965-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CRT012

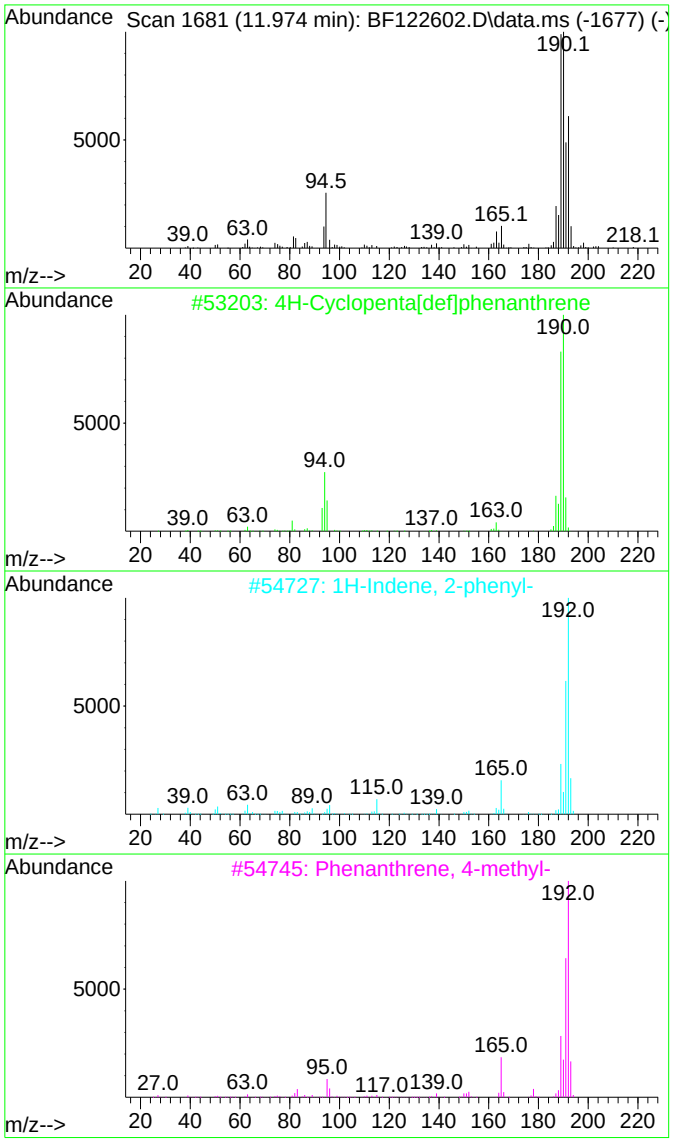
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

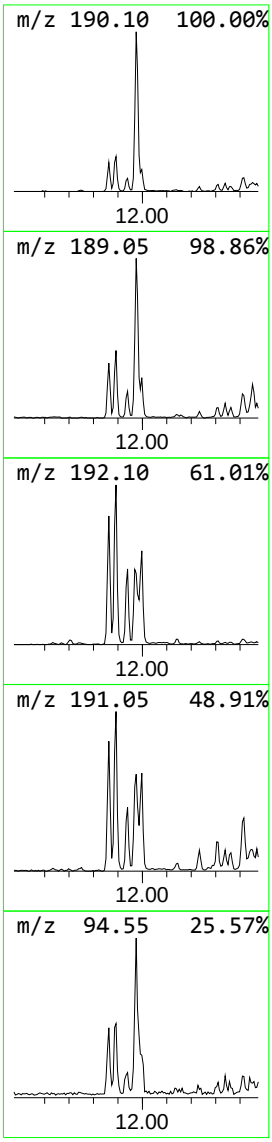
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.975	5.59 ng	485738	Phenanthrene-d10	11.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35
4	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	25
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	25





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Operator : JU/CG
Sample : L4965-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CRT012

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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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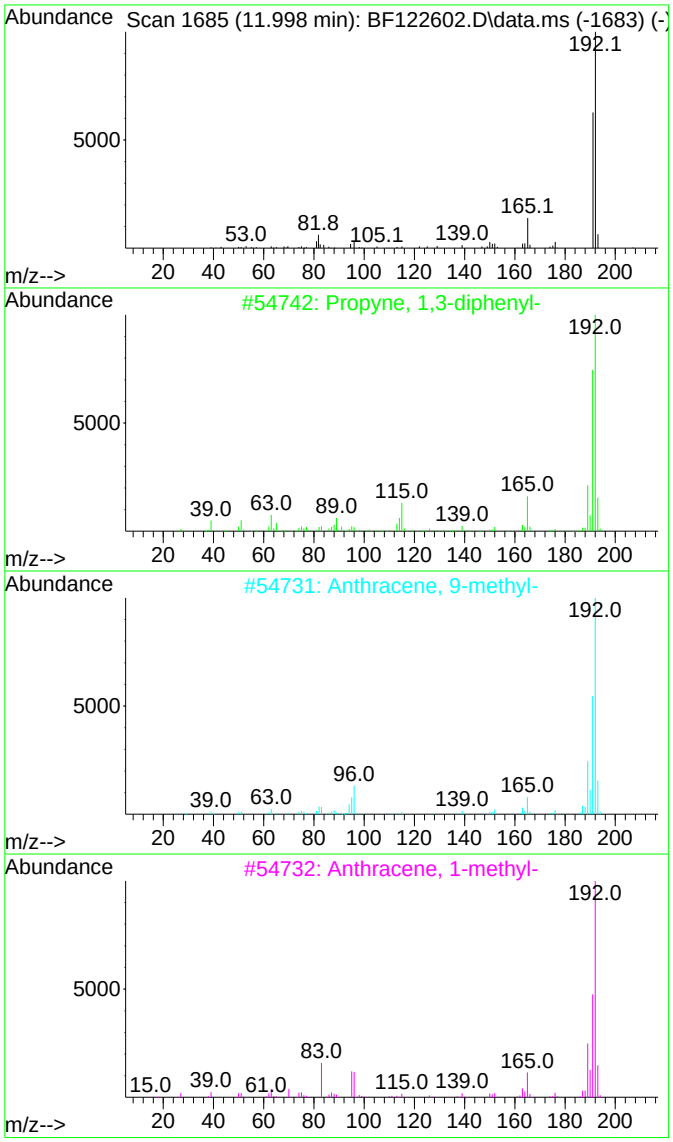
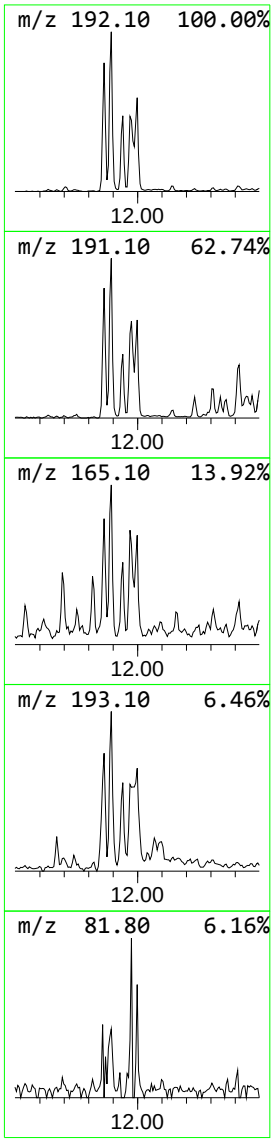
Peak Number 6 Propyne, 1,3-diphenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.998	2.28 ng	198525	Phenanthrene-d10	11.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	86
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	86
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	86
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	86
5	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	78





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Sample : L4965-01
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ClientSampleId : CRT012

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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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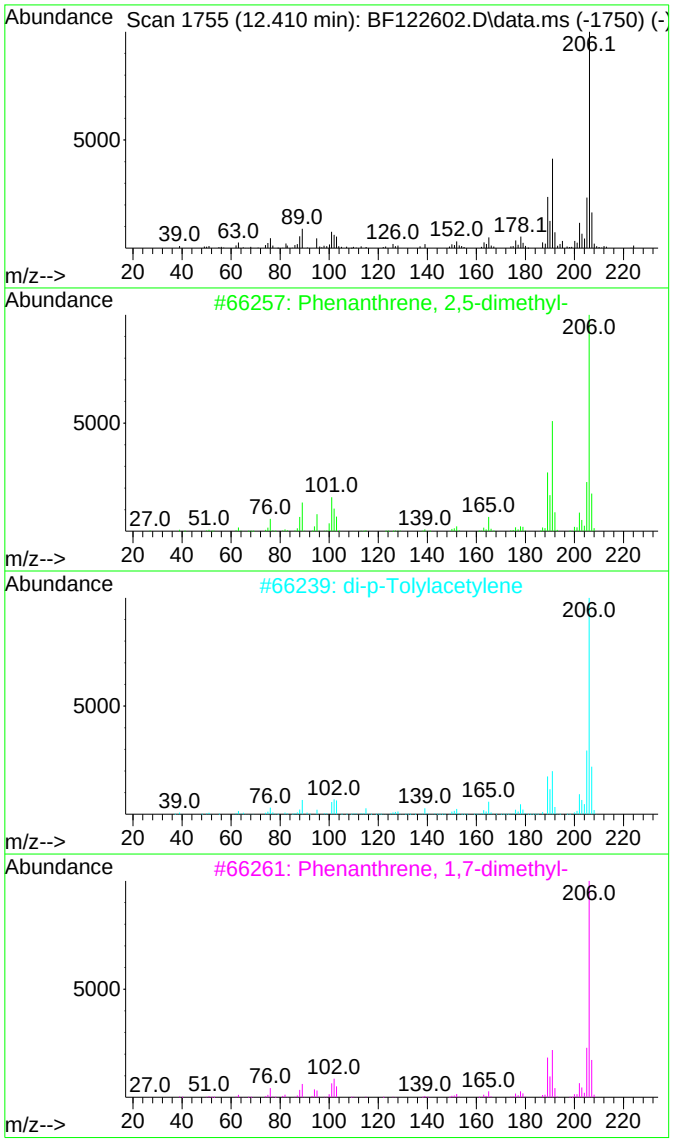
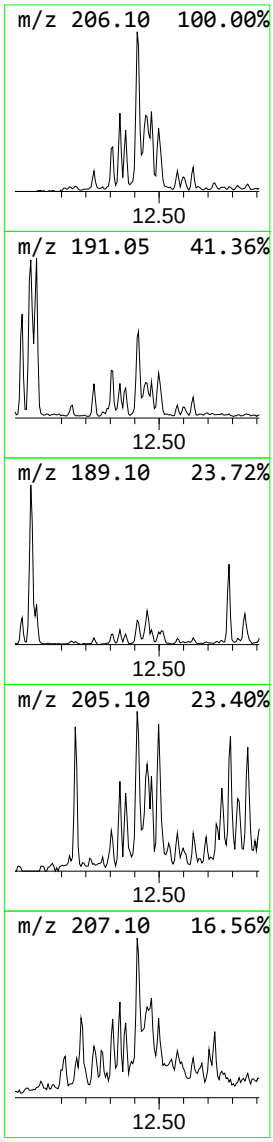
Peak Number 7 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.410	3.30 ng	286959	Phenanthrene-d10	11.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	96
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93





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ALS Vial : 19 Sample Multiplier: 1

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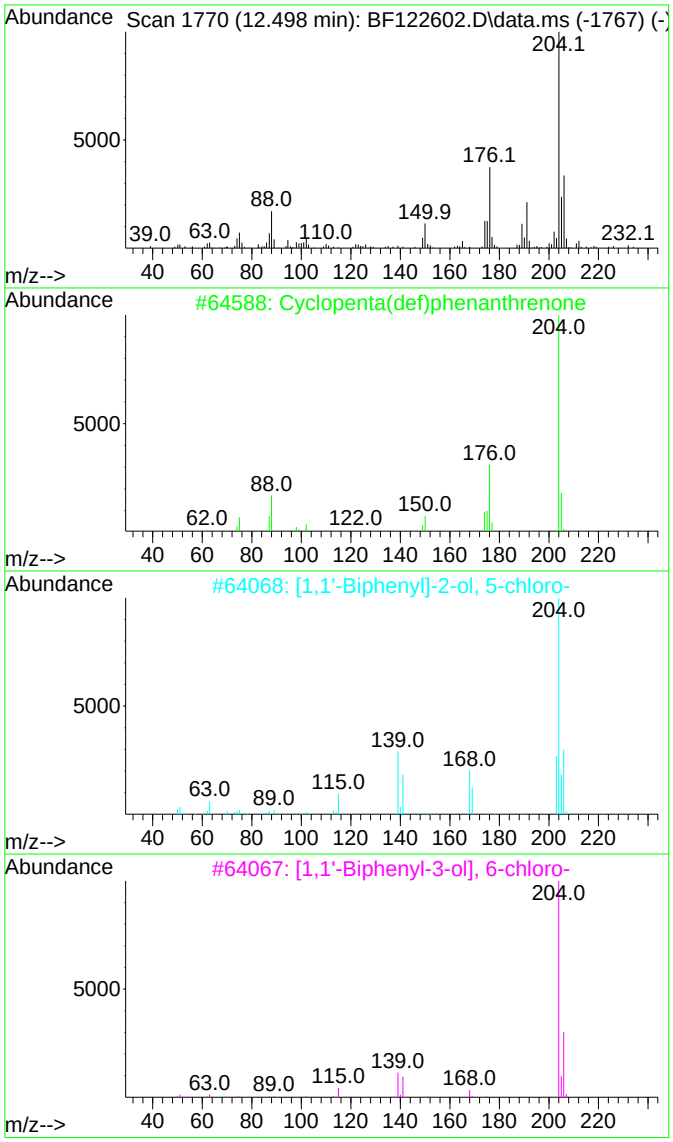
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

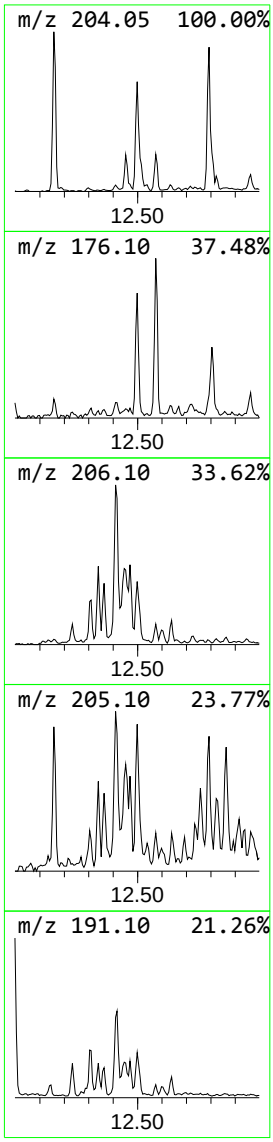
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.498	2.86 ng	248295	Phenanthrene-d10	11.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	49
3	[1,1'-Biphenyl-3-ol], 6-chloro-	204	C12H9ClO	021345-13-1	46
4	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	43
5	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	43





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Sample : L4965-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CRT012

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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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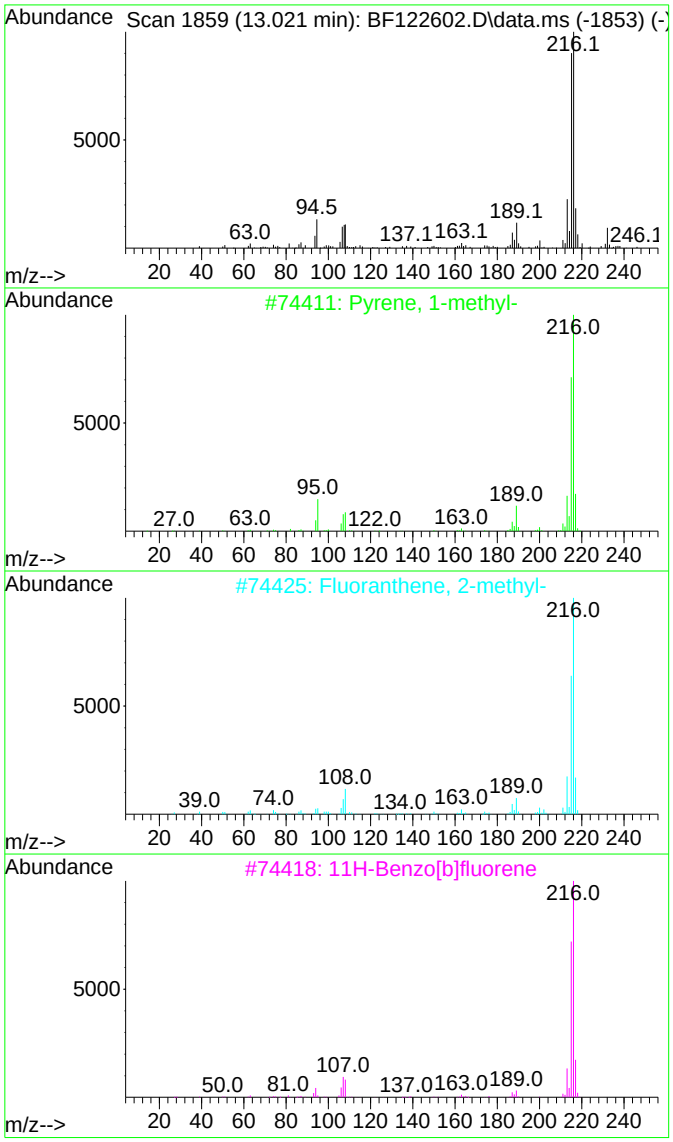
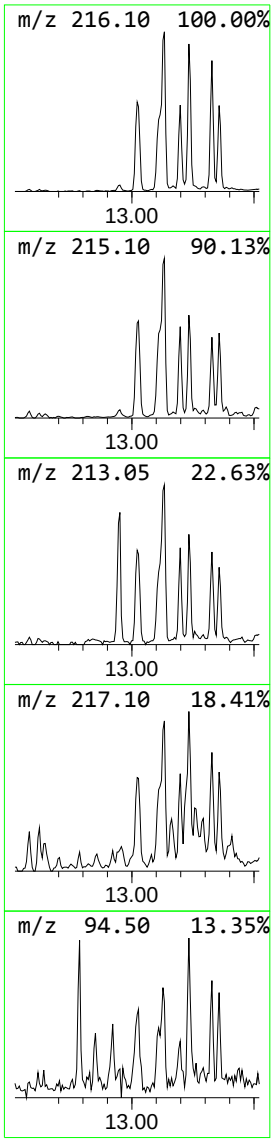
Peak Number 9 Pyrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.022	2.78 ng	394188	Chrysene-d12	14.004

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	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	83
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83





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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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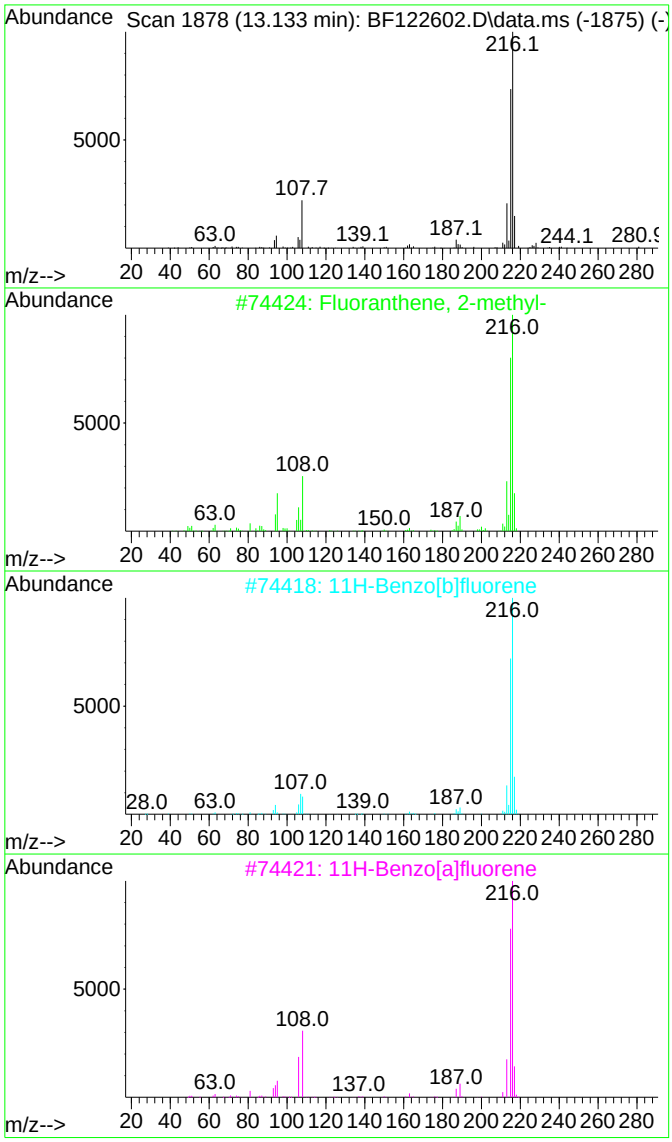
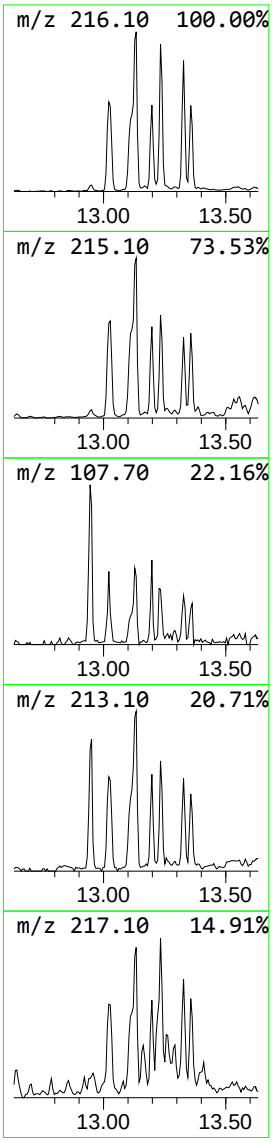
Peak Number 10 Fluoranthene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.133	2.43 ng	345249	Chrysene-d12	14.004

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	80
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	52





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Sample : L4965-01
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ALS Vial : 19 Sample Multiplier: 1

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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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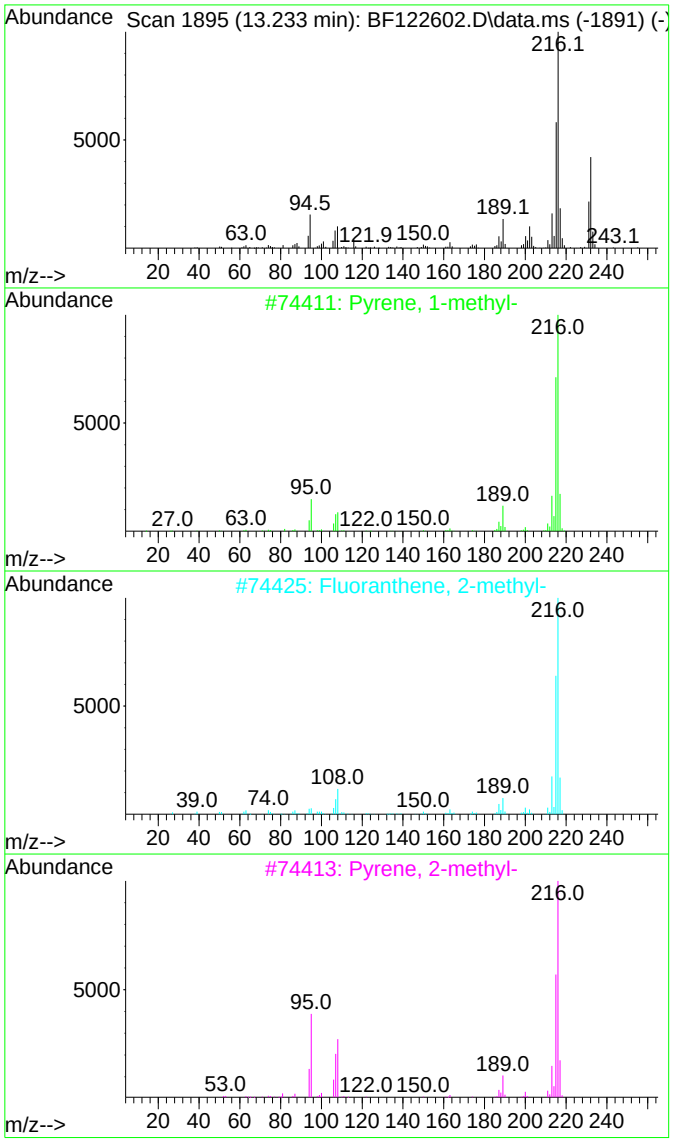
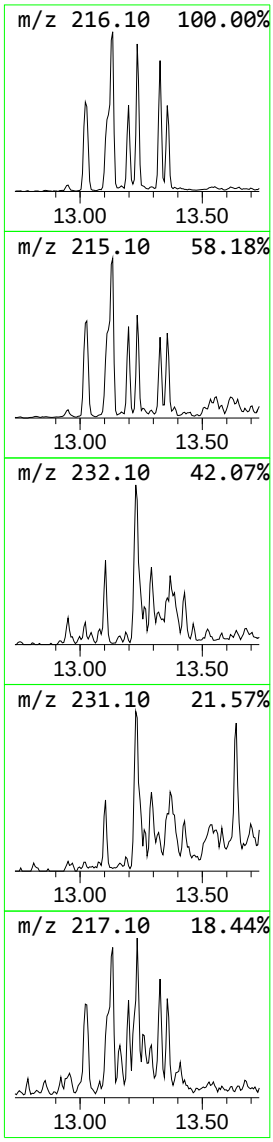
Peak Number 11 Pyrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.233	2.75 ng	390642	Chrysene-d12	14.004

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	97
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	92
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64





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Sample : L4965-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CRT012

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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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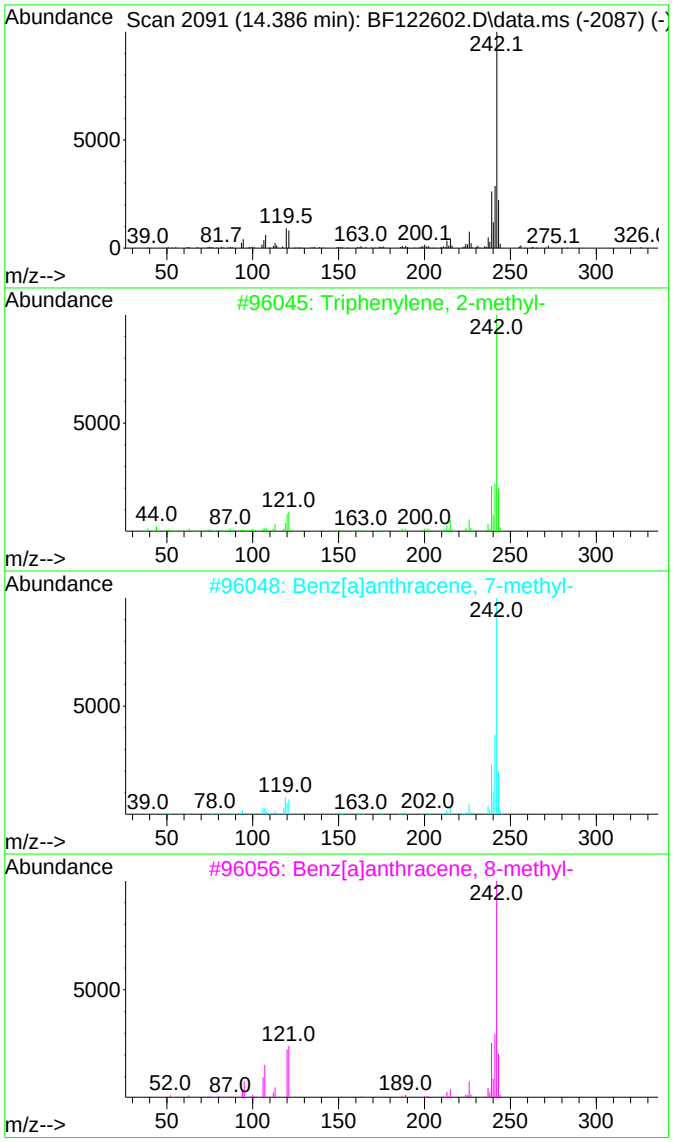
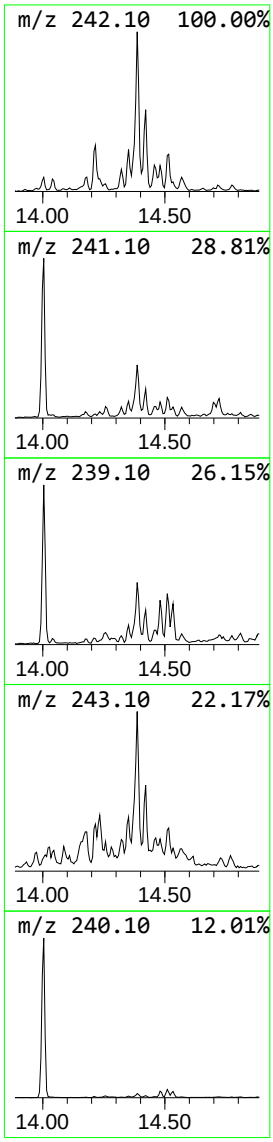
Peak Number 12 Triphenylene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.386	2.17 ng	307770	Chrysene-d12	14.004

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	96
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	94
3	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	94
4	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
5	2-Methylchrysene	242	C19H14	003351-32-4	93





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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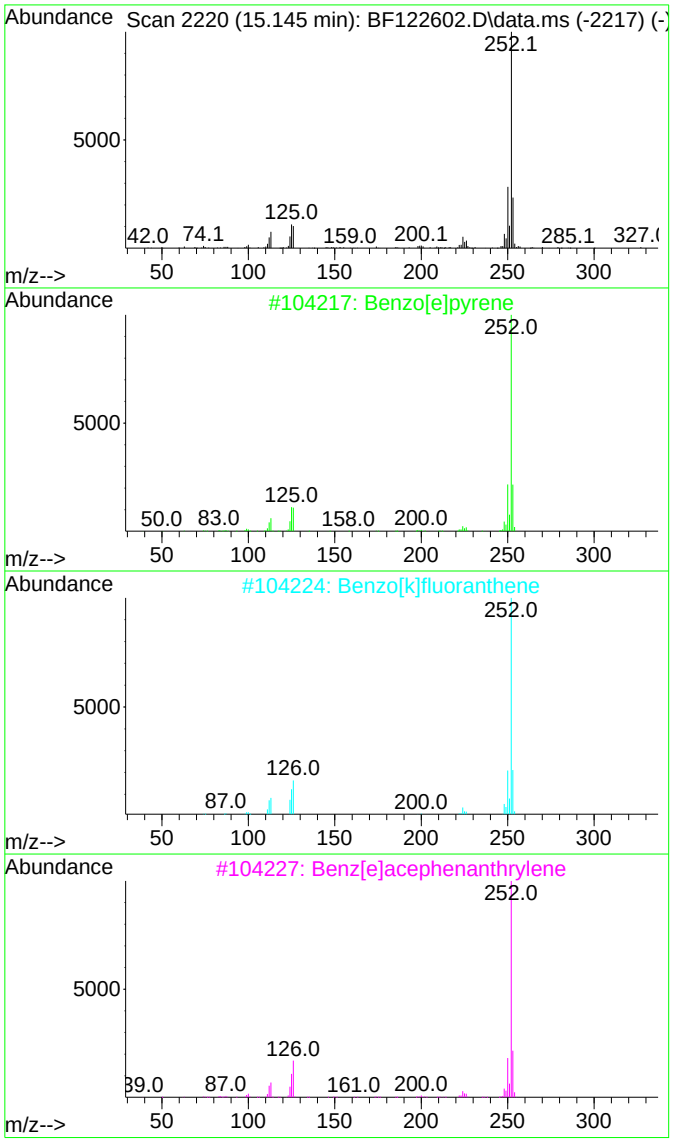
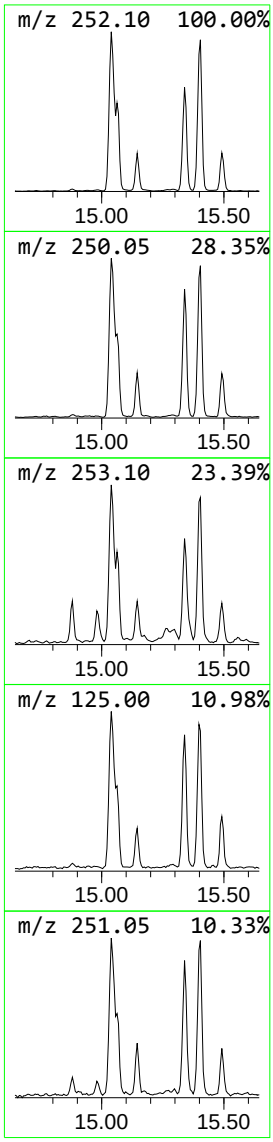
Peak Number 13 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.145	2.95 ng	191910	Perylene-d12	15.463

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Perylene	252	C20H12	000198-55-0	90





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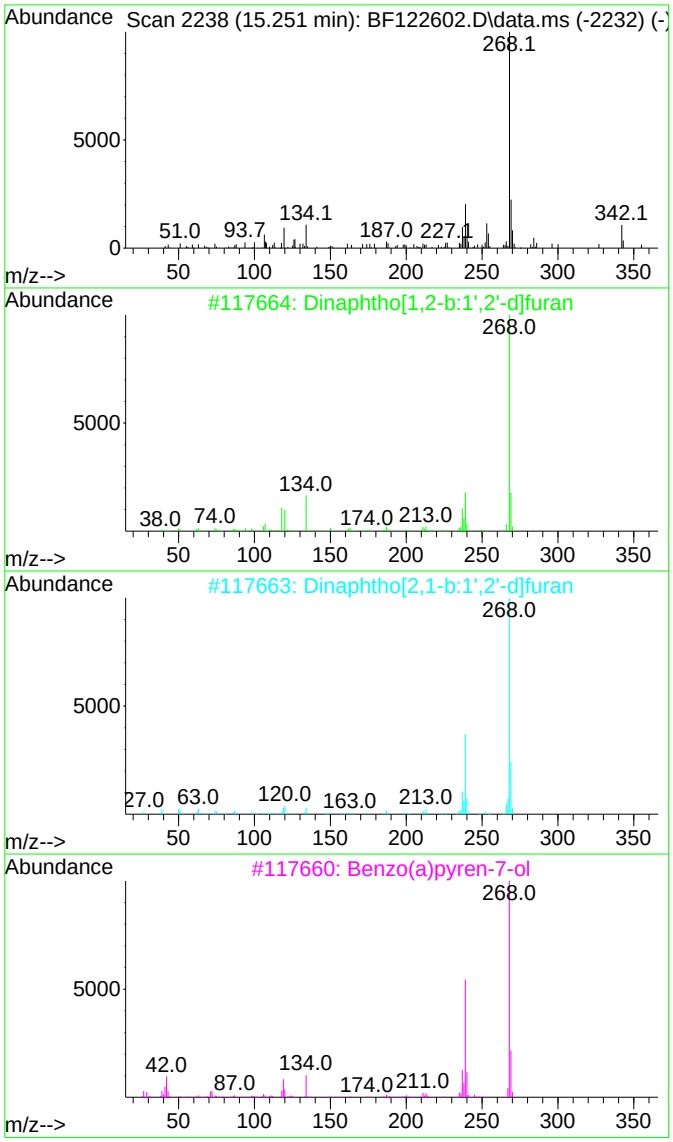
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

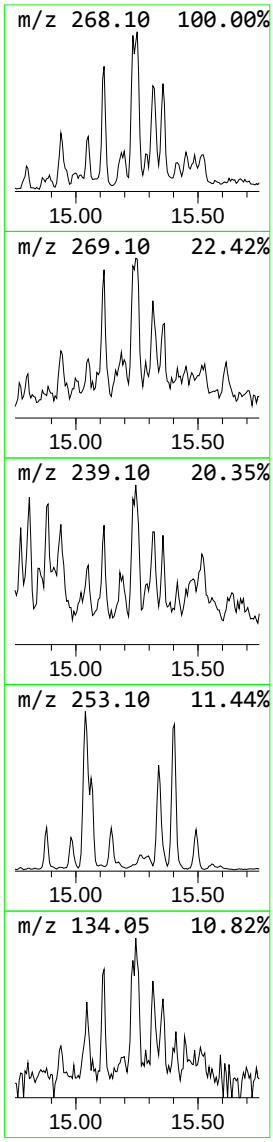
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.251	2.29 ng	149412	Perylene-d12	15.463

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	86
2	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	74
3	Benzo(a)pyren-7-ol	268	C20H12O	037994-82-4	64
4	Coumaran-6-ol-3-one, 2-[4-methox...	268	C16H12O4	020727-61-1	59
5	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	58





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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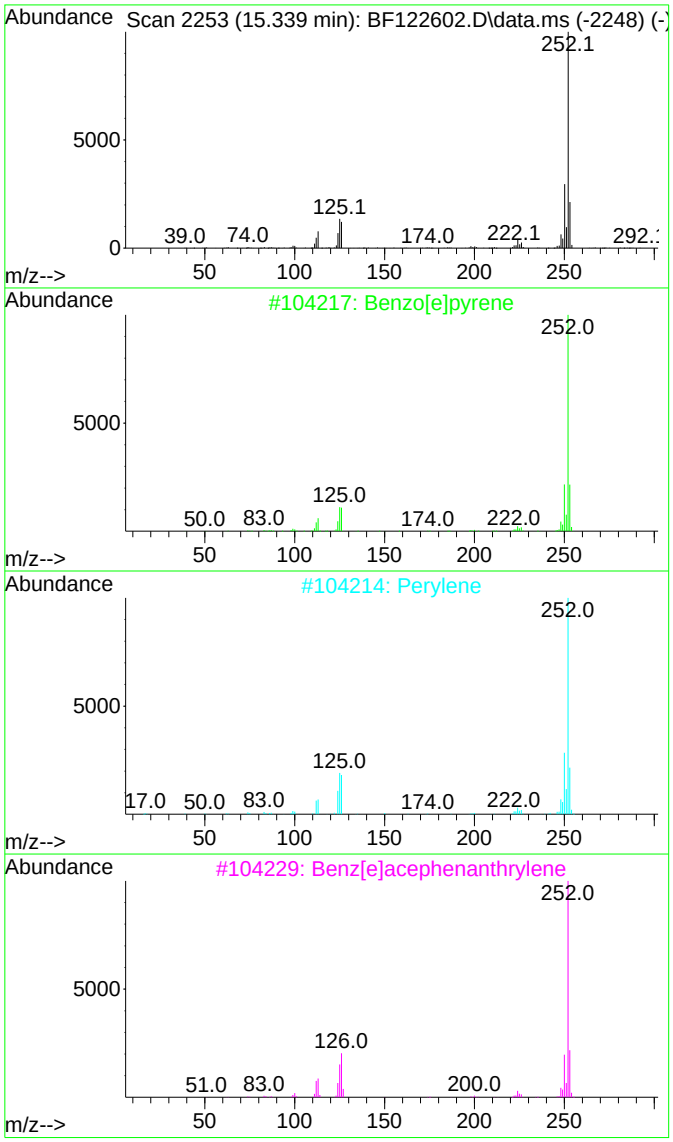
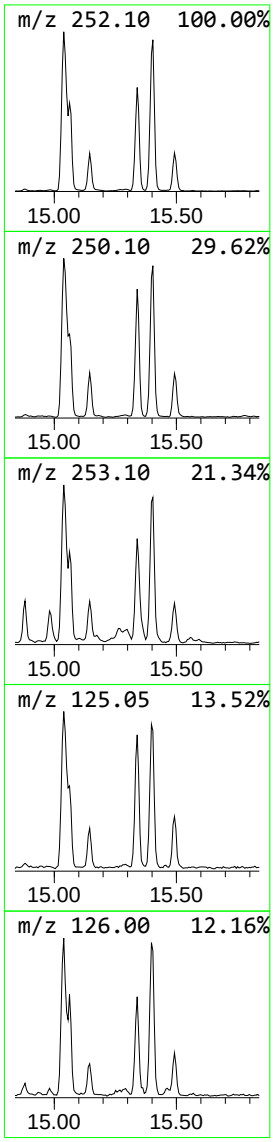
Peak Number 15 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.339	11.96 ng	778948	Perylene-d12	15.463

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Perylene	252	C20H12	000198-55-0	95
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	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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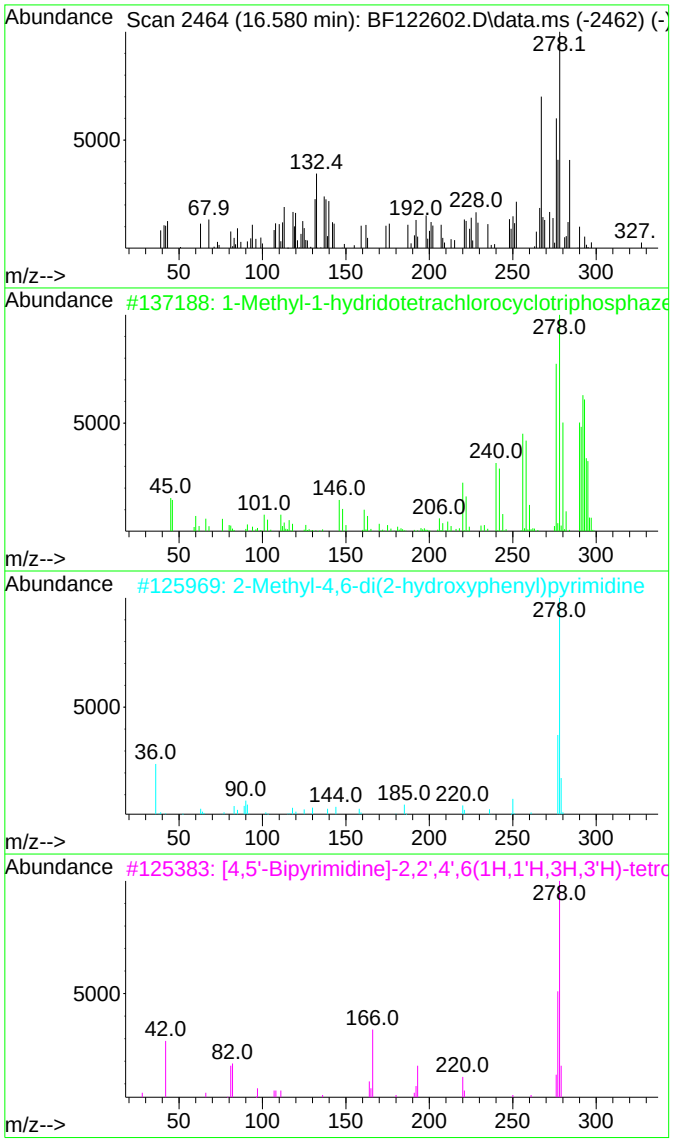
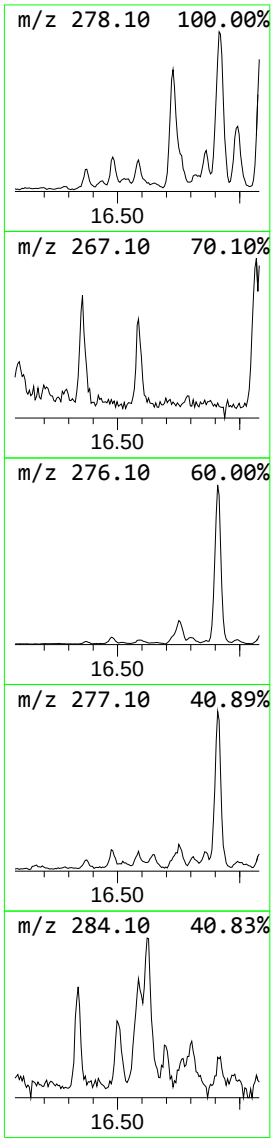
Peak Number 16 unknown16.580 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.580	2.45 ng	159289	Perylene-d12	15.463

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyl-1-hydridotetrachlorocyc...	291	CH4Cl4N3P3	068351-74-6	30
2	2-Methyl-4,6-di(2-hydroxyphenyl)...	278	C17H14N2O2	1000070-55-8	27
3	[4,5'-Bipyrimidine]-2,2',4',6(1H...	278	C12H14N4O4	062880-87-9	27
4	Benzoic acid, 3,5-dibromo-2-hydr...	294	C7H4Br2O3	003147-55-5	27
5	Pyrene, 1-phenyl-	278	C22H14	005101-27-9	27





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ALS Vial : 19 Sample Multiplier: 1

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ClientSampleId : CRT012

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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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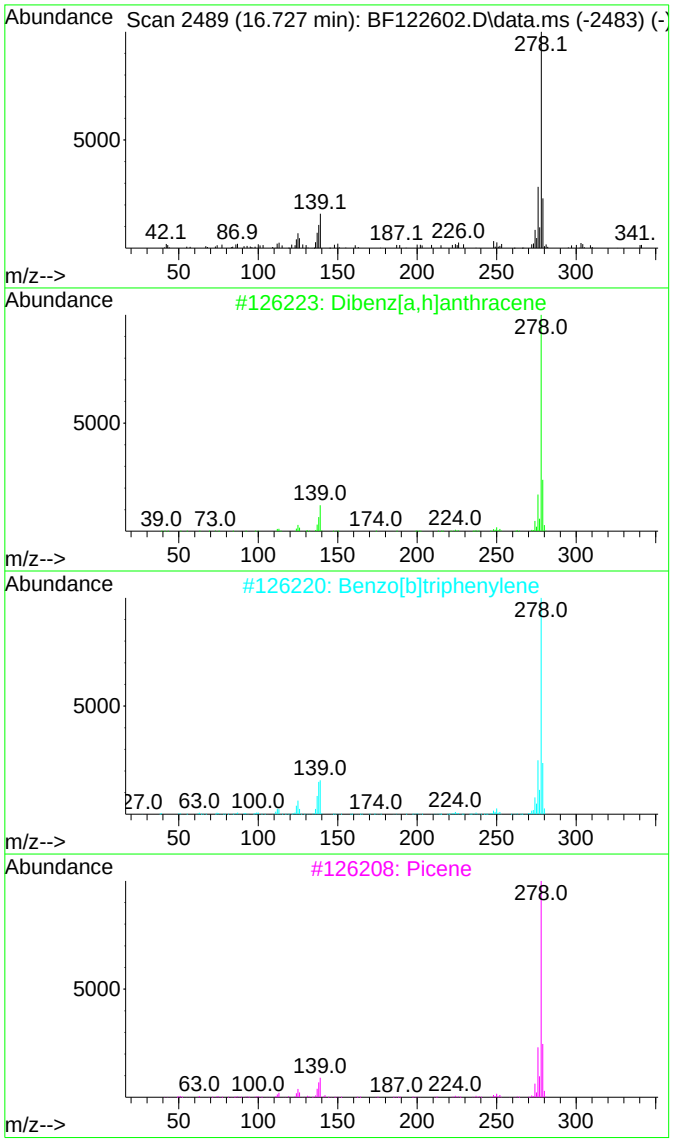
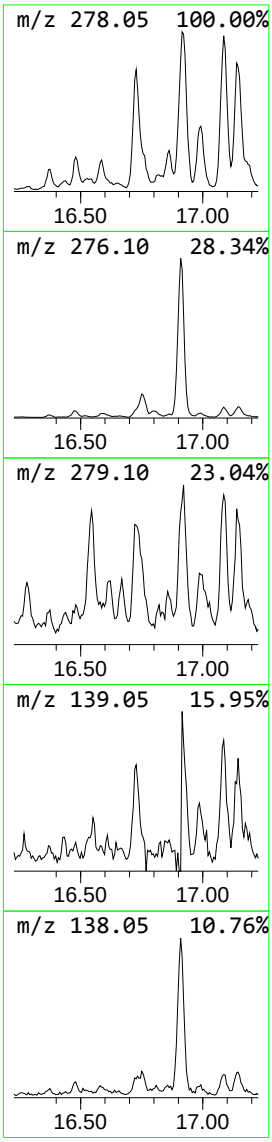
Peak Number 17 Benzo[b]triphenylene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.727	2.02 ng	131644	Perylene-d12	15.463

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	90
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	90
3	Picene	278	C22H14	000213-46-7	90
4	Benzo[b]chrysene	278	C22H14	000214-17-5	90
5	Pentacene	278	C22H14	000135-48-8	89





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Acq On : 8 Dec 2020 22:26
Operator : JU/CG
Sample : L4965-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CRT012

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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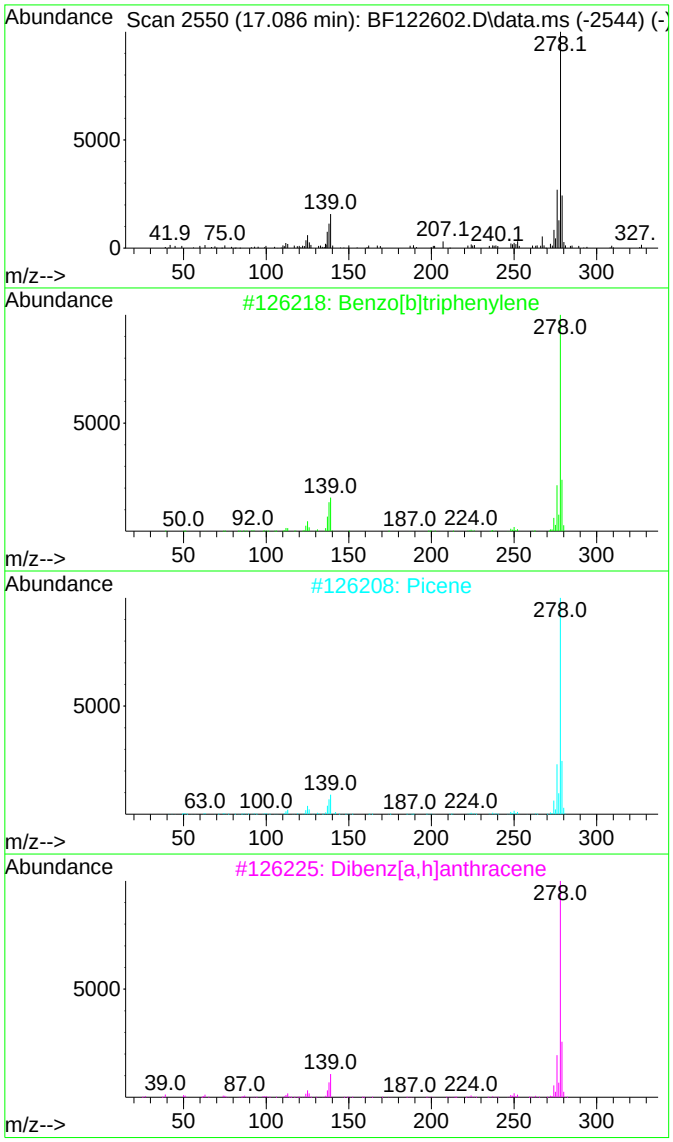
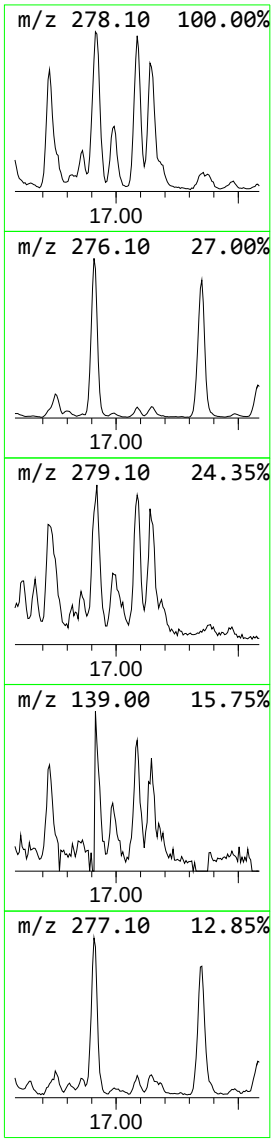
Peak Number 18 Picene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.086	2.76 ng	180097	Perylene-d12	15.463

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	97
2	Picene	278	C22H14	000213-46-7	96
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	96
4	Benzo[b]chrysene	278	C22H14	000214-17-5	95
5	Benzo[a]naphthacene	278	C22H14	000226-88-0	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120820\
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Operator : JU/CG
Sample : L4965-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CRT012

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.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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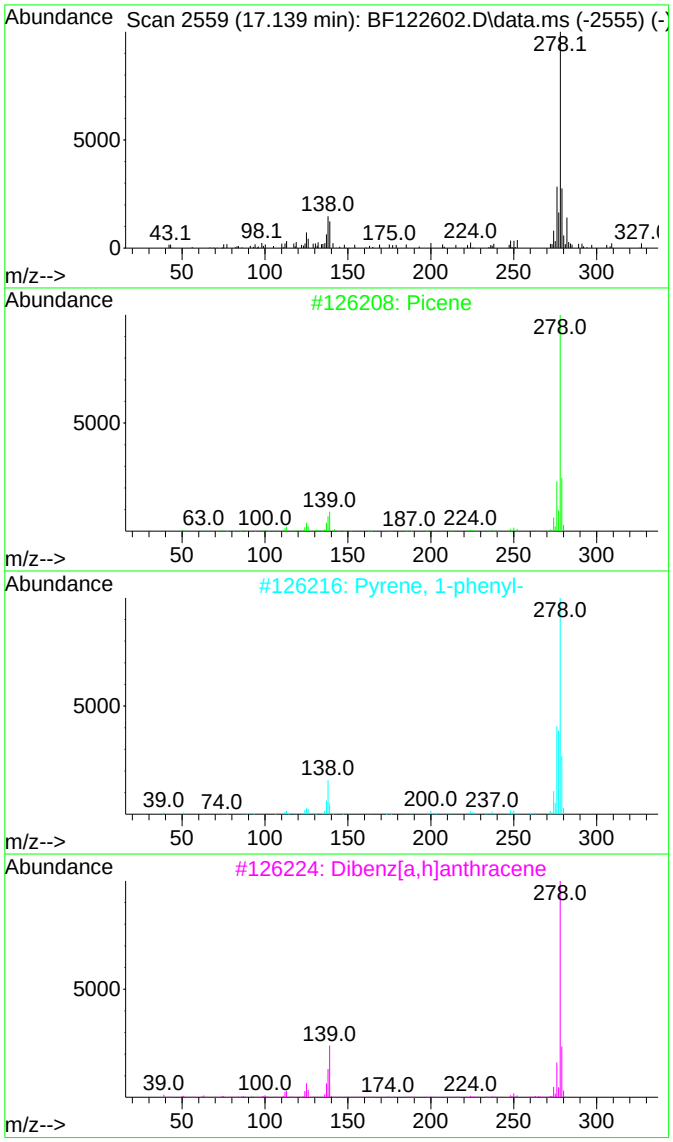
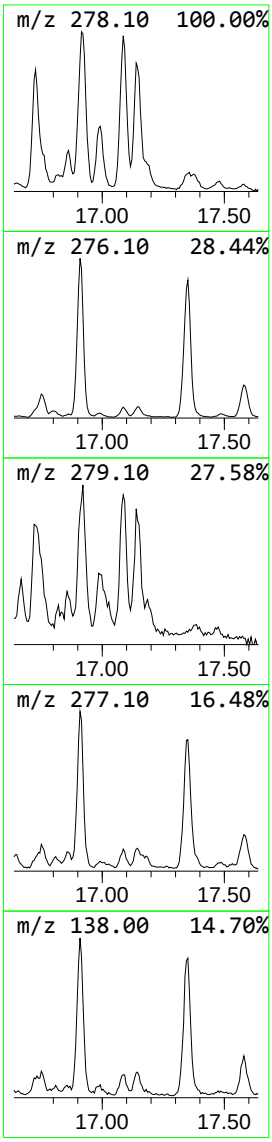
Peak Number 19 Pyrene, 1-phenyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.139	2.01 ng	130795	Perylene-d12	15.463

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	96
2	Pyrene, 1-phenyl-	278	C22H14	005101-27-9	91
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	91
4	Pentacene	278	C22H14	000135-48-8	86
5	Benzo[b]triphenylene	278	C22H14	000215-58-7	86





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120820\
Data File : BF122602.D
Acq On : 8 Dec 2020 22:26
Operator : JU/CG
Sample : L4965-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CRT012

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.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
2-Pentanone, 4-...	5.051	2.1	ng	106379	1	6.840	1004920	20.0
Ethanol, 2-(2-e...	6.663	3.6	ng	179169	1	6.840	1004920	20.0
Anthracene, 2-m...	11.863	3.3	ng	288401	4	11.363	1739270	20.0
Phenanthrene, 2...	11.892	4.5	ng	394104	4	11.363	1739270	20.0
4H-Cyclopenta[d...	11.975	5.6	ng	485738	4	11.363	1739270	20.0
Propyne, 1,3-di...	11.998	2.3	ng	198525	4	11.363	1739270	20.0
Phenanthrene, 2...	12.410	3.3	ng	286959	4	11.363	1739270	20.0
Cyclopenta(def)...	12.498	2.9	ng	248295	4	11.363	1739270	20.0
Pyrene, 1-methyl-	13.022	2.8	ng	394188	5	14.004	2839010	20.0
Fluoranthene, 2...	13.133	2.4	ng	345249	5	14.004	2839010	20.0
Pyrene, 2-methyl-	13.233	2.8	ng	390642	5	14.004	2839010	20.0
Triphenylene, 2...	14.386	2.2	ng	307770	5	14.004	2839010	20.0
Benzo[e]pyrene	15.145	3.0	ng	191910	6	15.463	1302830	20.0
Dinaphtho[1,2-b...	15.251	2.3	ng	149412	6	15.463	1302830	20.0
Perylene	15.339	12.0	ng	778948	6	15.463	1302830	20.0
unknown16.580	16.580	2.5	ng	159289	6	15.463	1302830	20.0
Benzo[b]triphen...	16.727	2.0	ng	131644	6	15.463	1302830	20.0
Picene	17.086	2.8	ng	180097	6	15.463	1302830	20.0
Pyrene, 1-phenyl-	17.139	2.0	ng	130795	6	15.463	1302830	20.0