LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050423\
Data File : BF133243.D
Acq On : 04 May 2023 21:38
Operator : CG\JU
Sample : 02588-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PILE-B-UNK-05022023

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-BF042123.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF133243.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.710	270	276	282	rVB	112284	155056	2.07%	0.174%
2	4.916	477	481	487	rBV	79445	98176	1.31%	0.110%
3	5.334	548	552	555	rBV	3596931	3397851	45.26%	3.822%
4	6.363	722	727	730	rBV	3776439	3533474	47.06%	3.974%
5	6.722	785	788	792	rBV	1502929	1259804	16.78%	1.417%
6	7.286	879	884	887	rBV	2480897	2283249	30.41%	2.568%
7	8.010	1003	1007	1009	rBV	2165666	1811419	24.13%	2.037%
8	8.028	1009	1010	1014	rVB	972905	675502	9.00%	0.760%
9	8.722	1124	1128	1131	rBV	487539	375176	5.00%	0.422%
10	8.816	1139	1144	1148	rVB	282449	237911	3.17%	0.268%
11	9.086	1186	1190	1193	rVB	4542848	3790375	50.48%	4.263%
12	9.180	1198	1206	1209	rBV	197622	180448	2.40%	0.203%
13	9.351	1228	1235	1238	rBV2	122243	167632	2.23%	0.189%
14	9.422	1241	1247	1249	rBV	168421	165086	2.20%	0.186%
15	9.445	1249	1251	1254	rVB	126993	93892	1.25%	0.106%
16	9.757	1298	1304	1307	rBV	2161727	2024698	26.97%	2.277%
17	9.792	1307	1310	1313	rVB	2187591	1599860	21.31%	1.800%
18	9.916	1326	1331	1334	rBV	103143	92478	1.23%	0.104%
19	9.963	1335	1339	1343	rVV	1359892	1036491	13.81%	1.166%
20	10.304	1394	1397	1401	rBV	2174963	1872063	24.93%	2.106%
21	10.392	1410	1412	1414	rVB	210612	150403	2.00%	0.169%
22	10.469	1422	1425	1429	rVB2	506881	521733	6.95%	0.587%
23	10.545	1434	1438	1442	rVV	2814007	2704927	36.03%	3.042%
24	10.592	1442	1446	1450	rVB2	120425	128777	1.72%	0.145%
25	10.669	1456	1459	1467	rVB5	57393	91730	1.22%	0.103%
26	10.851	1483	1490	1493	rBV	291787	339332	4.52%	0.382%
27	10.933	1501	1504	1507	rVB	104612	101093	1.35%	0.114%
28	10.980	1507	1512	1514	rBV3	89112	121843	1.62%	0.137%
29	11.045	1520	1523	1528	rVB	116803	117150	1.56%	0.132%
30	11.098	1528	1532	1535	rVV2	132987	185116	2.47%	0.208%
31	11.139	1535	1539	1545	rVB	785206	699801	9.32%	0.787%
32	11.245	1553	1557	1558	rBV	1997565	1875947	24.99%	2.110%
33	11.274	1558	1562	1565	rVV	6775801	7508024	100.00%	8.445%
34	11.322	1565	1570	1573	rVV	3392413	2867908	38.20%	3.226%
35	11.351	1573	1575	1579	rVB	196156	165106	2.20%	0.186%
36	11.469	1589	1595	1598	rBV2	999119	1044274	13.91%	1.175%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050423\
Data File : BF133243.D
Acq On : 04 May 2023 21:38
Operator : CG\JU
Sample : 02588-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PILE-B-UNK-05022023

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-BF042123.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.539	1603	1607	1610	rBV2	172304	156395	2.08%	0.176%
38	11.574	1610	1613	1617	rVV3	89189	99981	1.33%	0.112%
39	11.745	1636	1642	1644	rBV	639199	621275	8.27%	0.699%
40	11.769	1644	1646	1651	rVB	944652	952955	12.69%	1.072%
41	11.816	1651	1654	1657	rVB	383192	345703	4.60%	0.389%
42	11.857	1657	1661	1663	rBV	1611326	1548805	20.63%	1.742%
43	11.945	1674	1676	1679	rVB	115358	88597	1.18%	0.100%
44	12.039	1689	1692	1694	rBV	591552	463967	6.18%	0.522%
45	12.186	1714	1717	1720	rBV	110437	84868	1.13%	0.095%
46	12.292	1731	1735	1738	rBV	186809	213220	2.84%	0.240%
47	12.327	1738	1741	1744	rVV2	133923	171452	2.28%	0.193%
48	12.374	1747	1749	1754	rBV4	72163	114810	1.53%	0.129%
49	12.463	1758	1764	1767	rBV	6100778	6490252	86.44%	7.300%
50	12.510	1767	1772	1776	rBV2	114424	169783	2.26%	0.191%
51	12.604	1784	1788	1795	rVB2	274853	351380	4.68%	0.395%
52	12.686	1795	1802	1805	rBV2	4990292	6378415	84.95%	7.174%
53	12.727	1807	1809	1815	rVB2	285780	282561	3.76%	0.318%
54	12.798	1818	1821	1823	rBV	407241	348253	4.64%	0.392%
55	12.827	1823	1826	1833	rVB	3794850	3611385	48.10%	4.062%
56	12.898	1833	1838	1841	rBV2	244167	435417	5.80%	0.490%
57	12.927	1841	1843	1846	rVB	208381	161981	2.16%	0.182%
58	12.986	1850	1853	1854	rVV	171297	194067	2.58%	0.218%
59	13.010	1854	1857	1860	rVB	1058036	914633	12.18%	1.029%
60	13.074	1864	1868	1871	rBV	1268318	1017648	13.55%	1.145%
61	13.110	1871	1874	1876	rVV	418782	407702	5.43%	0.459%
62	13.133	1876	1878	1882	rVB	217229	200839	2.67%	0.226%
63	13.204	1886	1890	1892	rBV	135313	118413	1.58%	0.133%
64	13.233	1892	1895	1902	rBV2	166961	188296	2.51%	0.212%
65	13.310	1905	1908	1913	rVB4	92180	110979	1.48%	0.125%
66	13.363	1914	1917	1919	rBV	125541	86137	1.15%	0.097%
67	13.486	1935	1938	1941	rBV2	109546	144650	1.93%	0.163%
68	13.621	1957	1961	1964	rBV	305987	351175	4.68%	0.395%
69	13.651	1964	1966	1968	rBV	326247	250375	3.33%	0.282%
70	13.674	1968	1970	1971	rBV	206720	148851	1.98%	0.167%
71	13.739	1978	1981	1985	rBV2	126159	147867	1.97%	0.166%
72	13.792	1988	1990	1994	rVB	122991	116861	1.56%	0.131%
73	13.868	1996	2003	2007	rBV2	2656172	3880081	51.68%	4.364%
74	13.904	2007	2009	2014	rVB	2110953	1679415	22.37%	1.889%
75	13.980	2014	2022	2025	rBV	530996	484612	6.45%	0.545%
76	14.063	2032	2036	2038	rBV2	176580	187637	2.50%	0.211%

LSC Area Percent Report

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Acq On : 04 May 2023 21:38
Operator : CG\JU
Sample : 02588-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PILE-B-UNK-05022023

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-BF042123.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.098	2038	2042	2046	rVB2	226190	276412	3.68%	0.311%
78	14.227	2061	2064	2065	rVV	90790	88890	1.18%	0.100%
79	14.263	2065	2070	2072	rVV	277065	342686	4.56%	0.385%
80	14.292	2072	2075	2078	rVV2	160218	161046	2.14%	0.181%
81	14.357	2082	2086	2088	rVV2	308146	340902	4.54%	0.383%
82	14.386	2088	2091	2092	rVV	177610	192355	2.56%	0.216%
83	14.404	2092	2094	2098	rVV3	350419	328913	4.38%	0.370%
84	14.457	2101	2103	2108	rVB3	102037	105353	1.40%	0.118%
85	14.739	2147	2151	2154	rBV2	83551	105096	1.40%	0.118%
86	14.892	2172	2177	2180	rBV	1453034	2198828	29.29%	2.473%
87	14.992	2190	2194	2198	rVB	364000	394018	5.25%	0.443%
88	15.174	2221	2225	2231	rVB	765432	1004632	13.38%	1.130%
89	15.233	2231	2235	2241	rBV	1405775	1618934	21.56%	1.821%
90	15.292	2241	2245	2248	rVV	1019918	1257989	16.76%	1.415%
91	15.321	2248	2250	2256	rVB	449242	515239	6.86%	0.580%
92	15.633	2300	2303	2309	rVB5	57846	93987	1.25%	0.106%
93	15.815	2331	2334	2340	rVB	94962	118083	1.57%	0.133%
94	15.951	2354	2357	2362	rBV	58289	85054	1.13%	0.096%
95	16.486	2442	2448	2456	rBV3	97819	269985	3.60%	0.304%
96	16.662	2472	2478	2486	rVB2	519148	922509	12.29%	1.038%
97	16.827	2501	2506	2511	rBV	103199	175309	2.33%	0.197%
98	16.880	2511	2515	2519	rBV2	69989	122082	1.63%	0.137%
99	17.074	2541	2548	2559	rBV	326487	676573	9.01%	0.761%
100	17.292	2579	2585	2599	rVB2	132799	315308	4.20%	0.355%

Sum of corrected areas: 88905681

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050423\
Data File : BF133243.D
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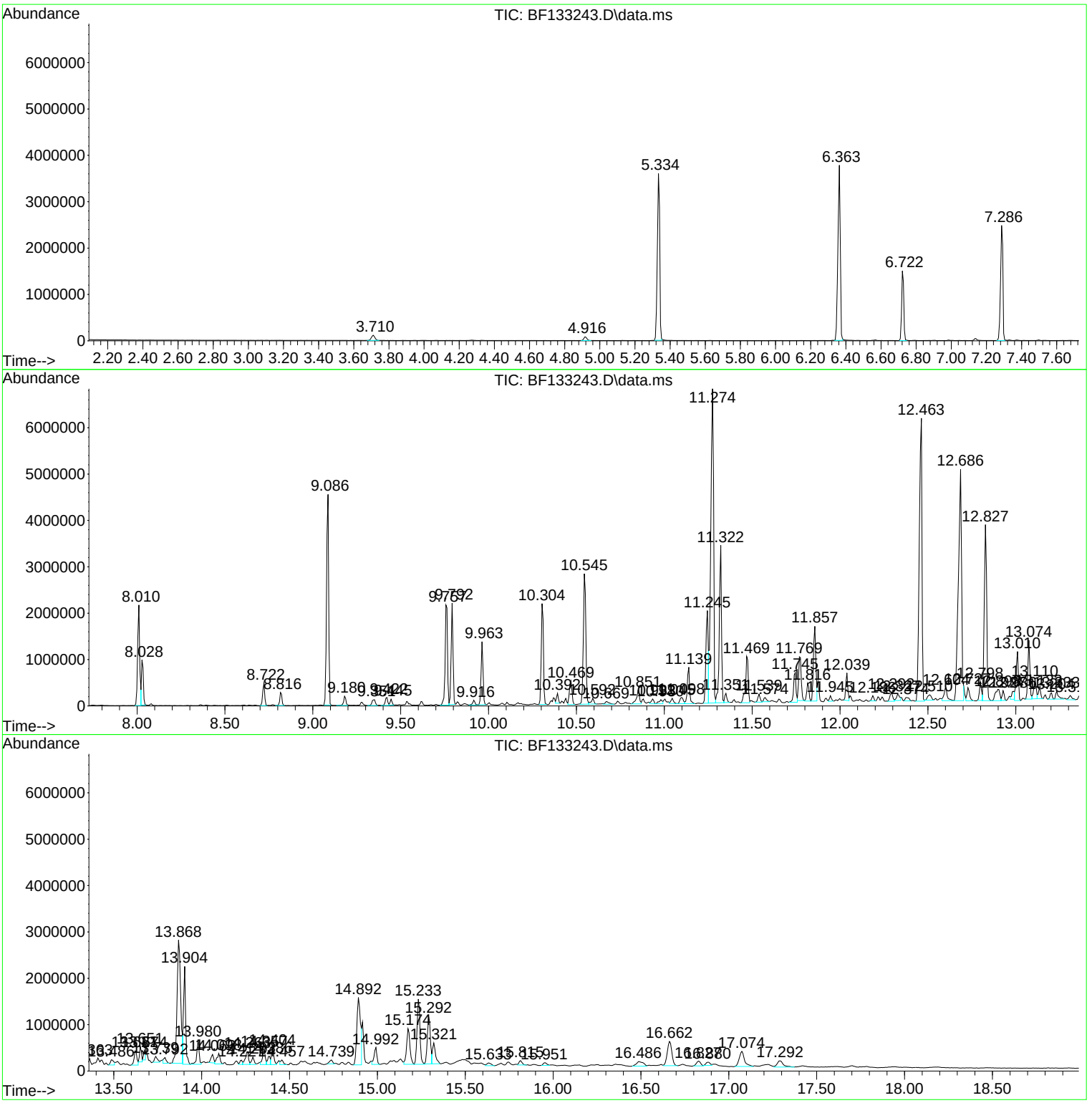
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PILE-B-UNK-05022023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050423\
Data File : BF133243.D
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Instrument :
BNA_F
ClientSampleId :
PILE-B-UNK-05022023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

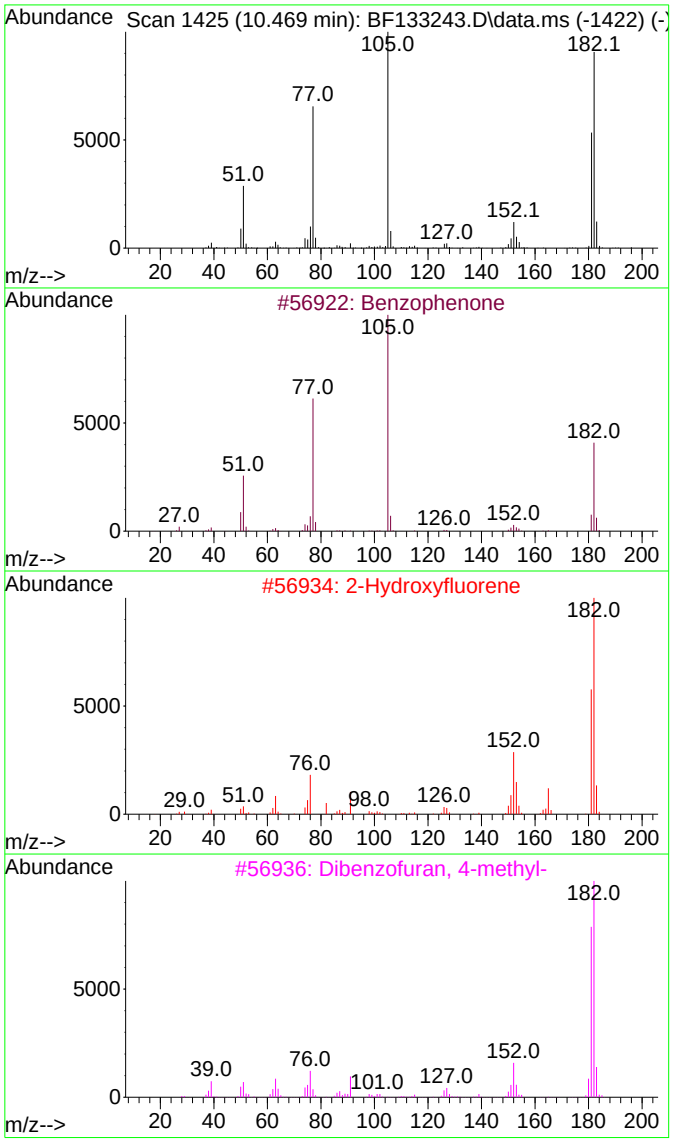
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

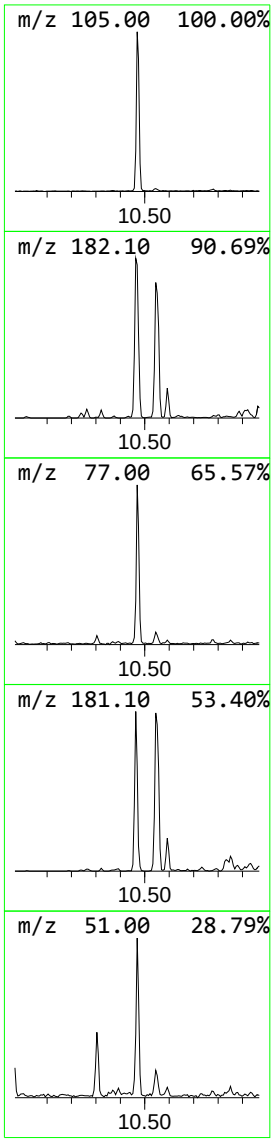
****

Peak Number 2 Benzophenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.469	5.15 ng	521733	Acenaphthene-d10	9.757

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	91
2	2-Hydroxyfluorene	182	C13H10O	002443-58-5	58
3	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	58
4	9H-Fluoren-3-ol	182	C13H10O	006344-67-8	50
5	Benzaldehyde, 4-hydroxy-3,5-dime...	182	C9H10O4	000134-96-3	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050423\
Data File : BF133243.D
Acq On : 04 May 2023 21:38
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Sample : 02588-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PILE-B-UNK-05022023

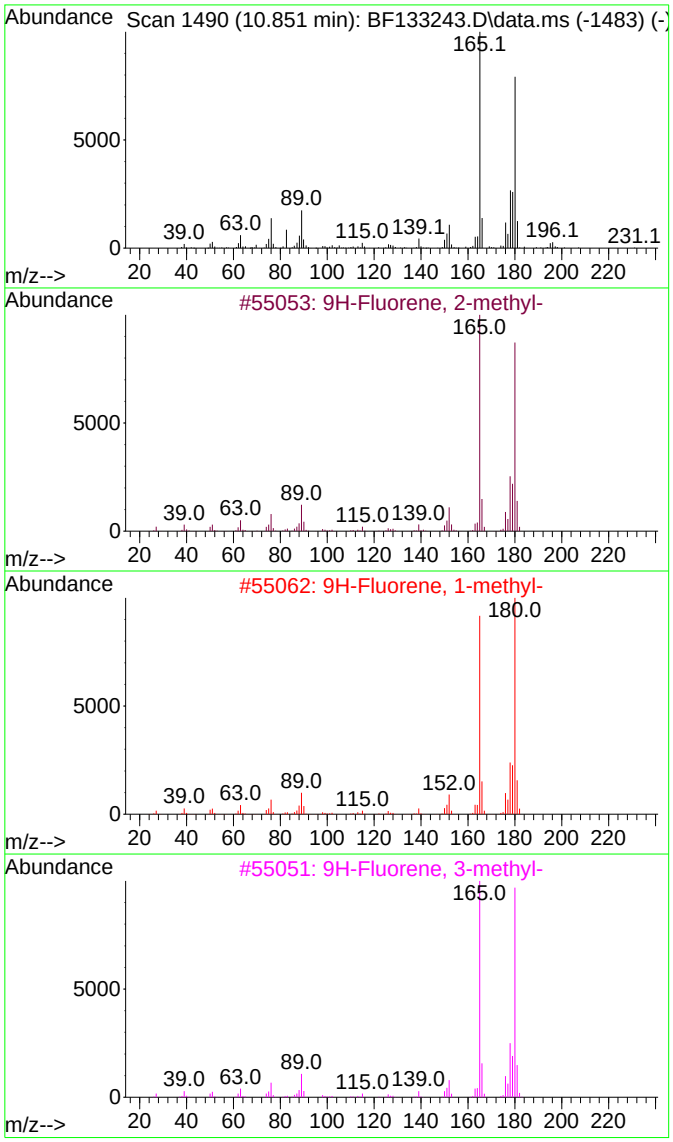
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

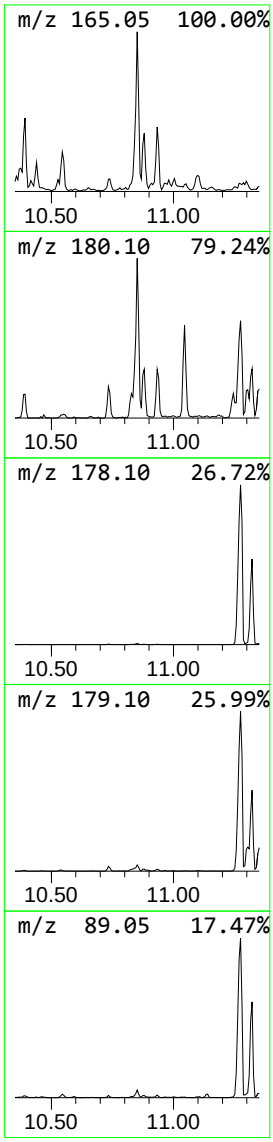
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 9H-Fluorene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.851	3.62 ng	339332	Phenanthrene-d10	11.245

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	94
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	91
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050423\
Data File : BF133243.D
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Sample : 02588-15
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BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

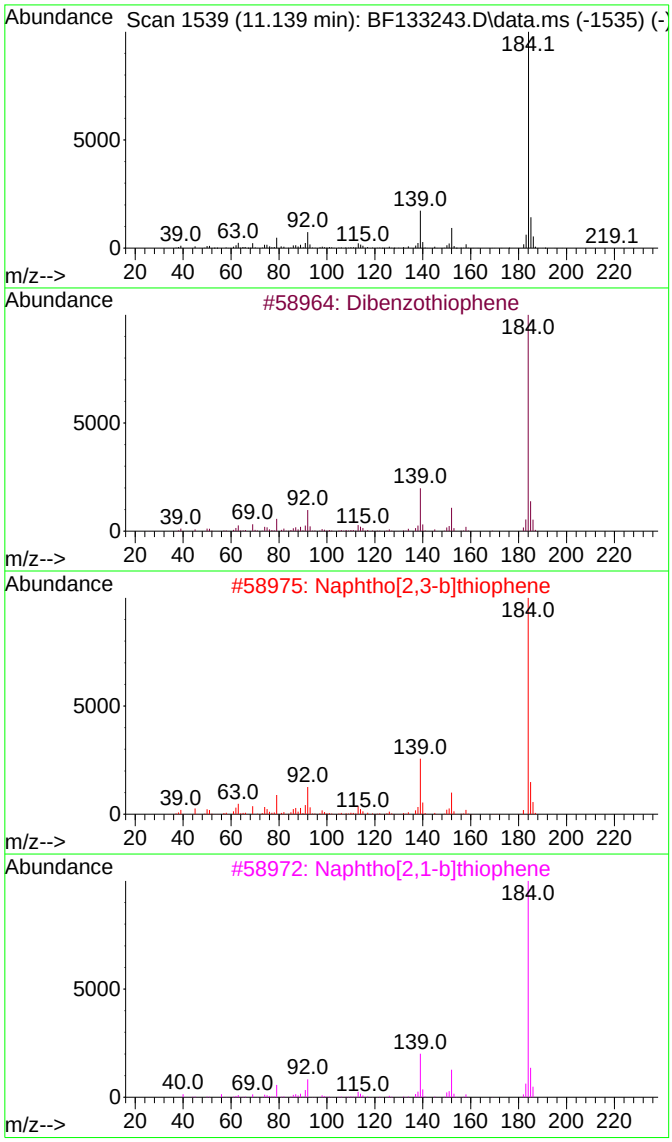
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

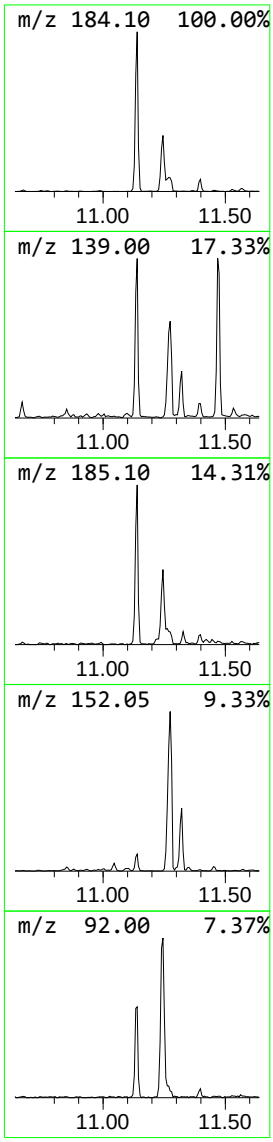
****

Peak Number 4 Dibenzothiophene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.139	7.46 ng	699801	Phenanthrene-d10	11.245

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050423\
Data File : BF133243.D
Acq On : 04 May 2023 21:38
Operator : CG\JU
Sample : 02588-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PILE-B-UNK-05022023

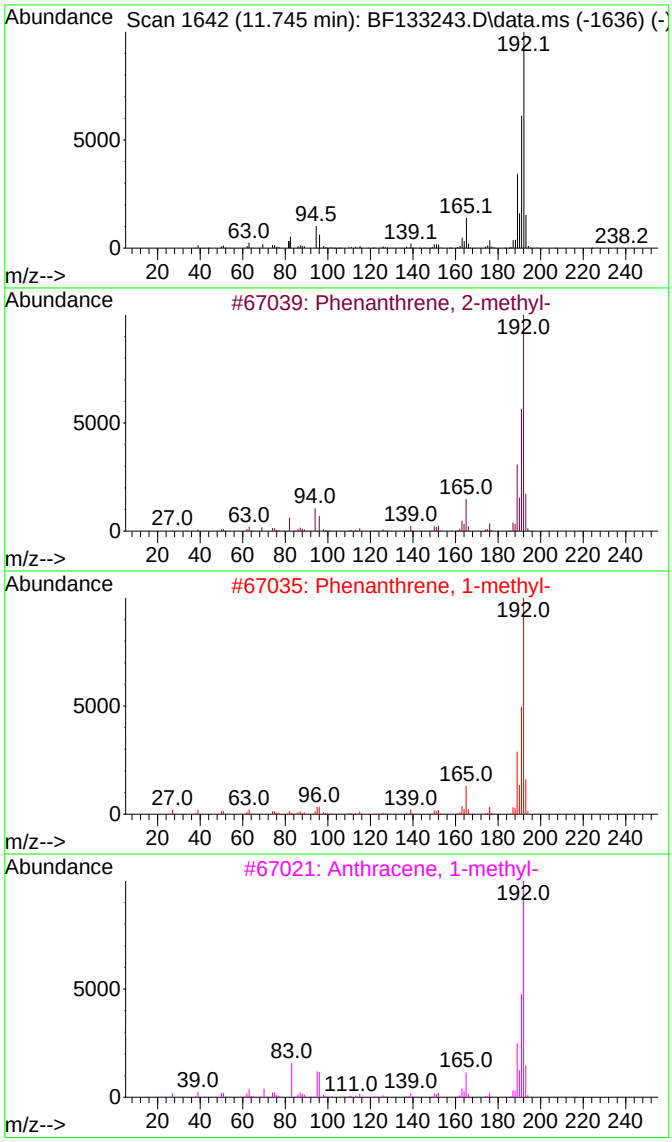
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

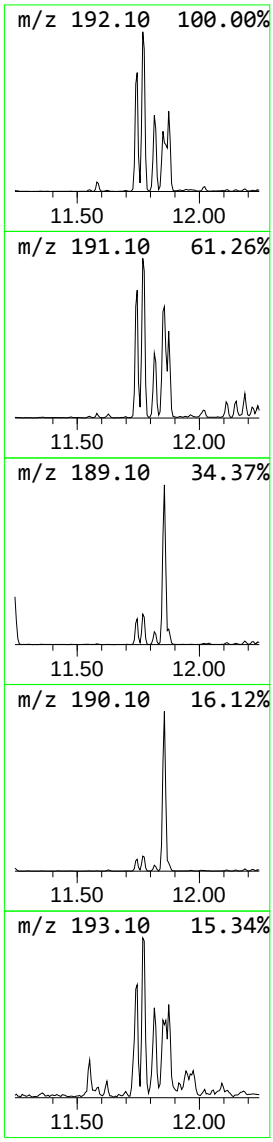
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.745	6.62 ng	621275	Phenanthrene-d10	11.245

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050423\
Data File : BF133243.D
Acq On : 04 May 2023 21:38
Operator : CG\JU
Sample : 02588-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PILE-B-UNK-05022023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

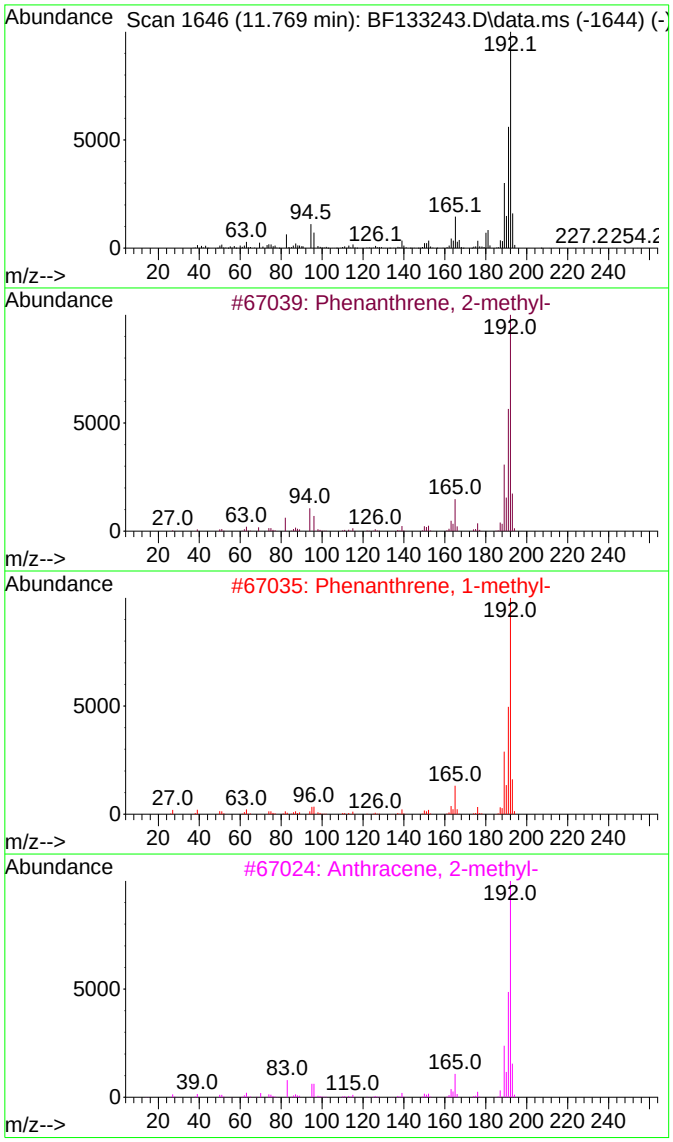
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

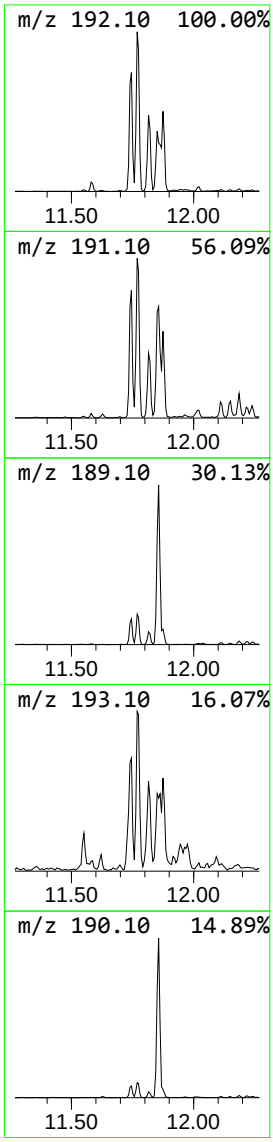
****

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.769	10.16 ng	952955	Phenanthrene-d10	11.245

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





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Acq On : 04 May 2023 21:38
Operator : CG\JU
Sample : 02588-15
Misc :
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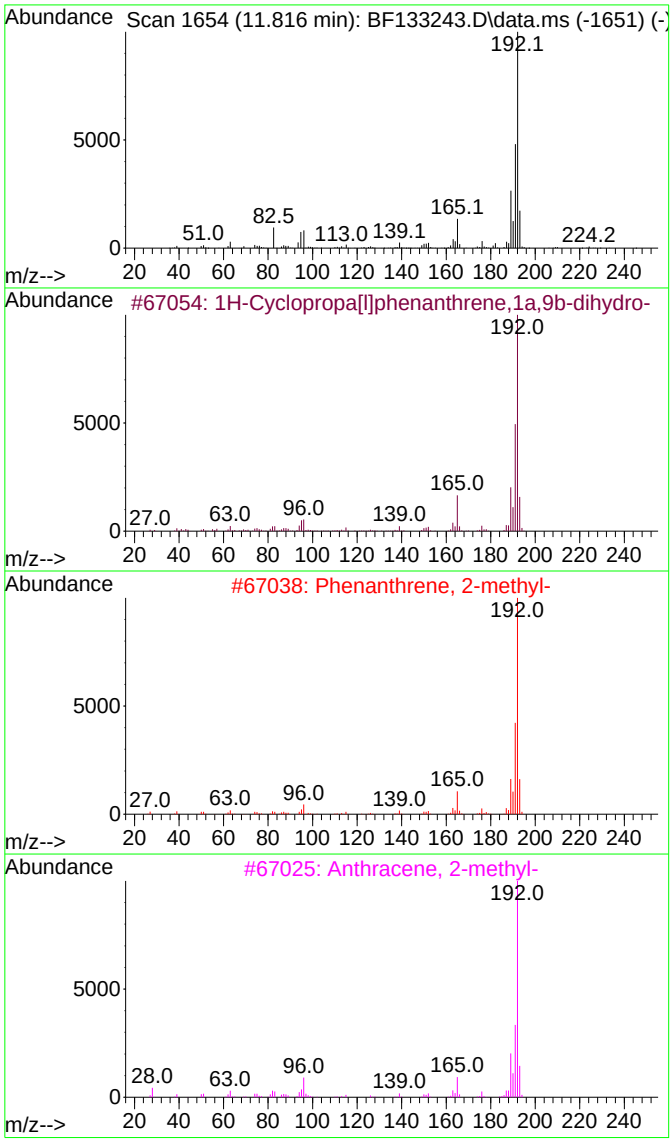
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

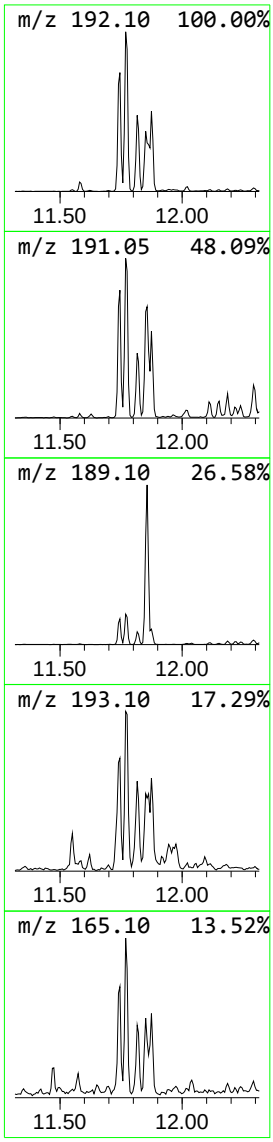
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 1H-Cyclopropa[l]phenanthren... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.816	3.69 ng	345703	Phenanthrene-d10	11.245

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93





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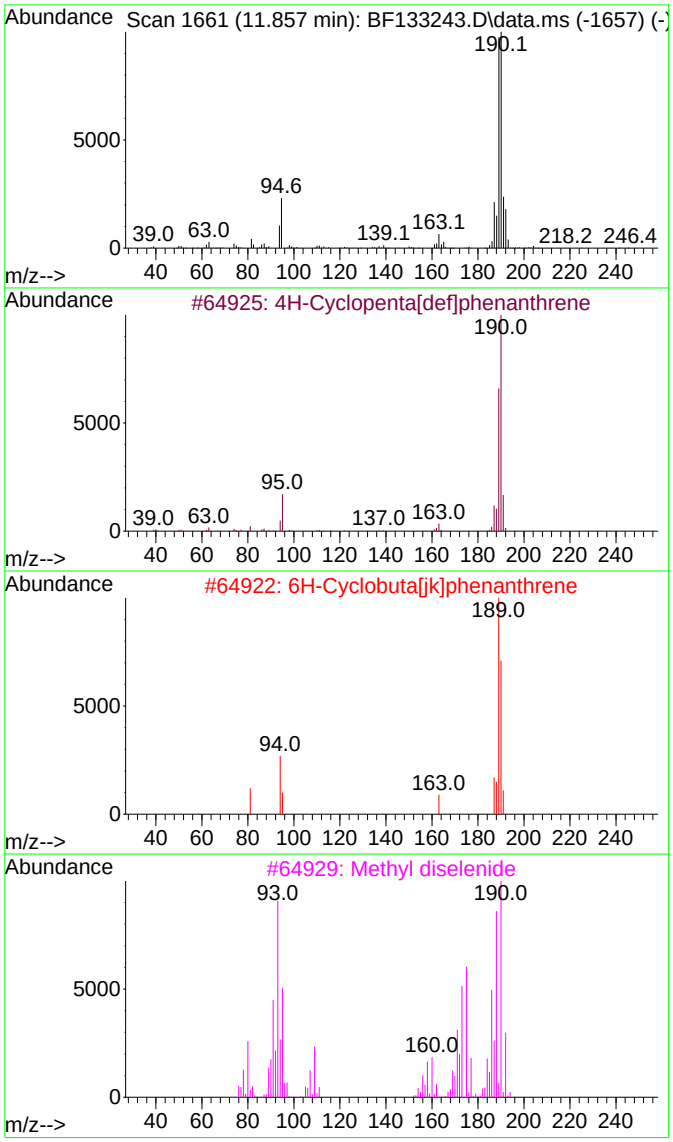
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

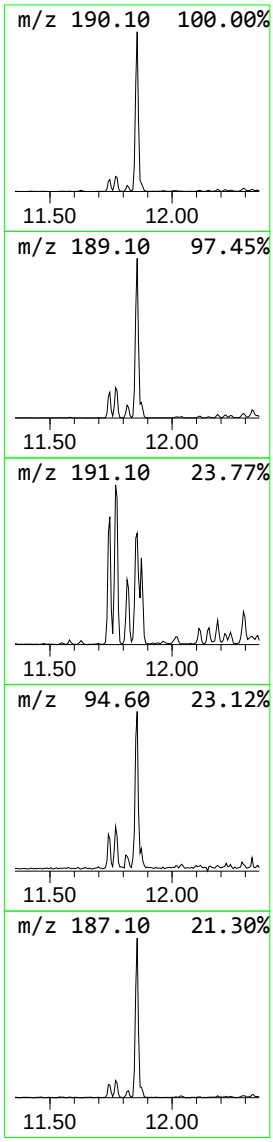
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.857	16.51 ng	1548810	Phenanthrene-d10	11.245

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
3	Methyl diselenide	190	C2H6Se2	007101-31-7	49
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	17





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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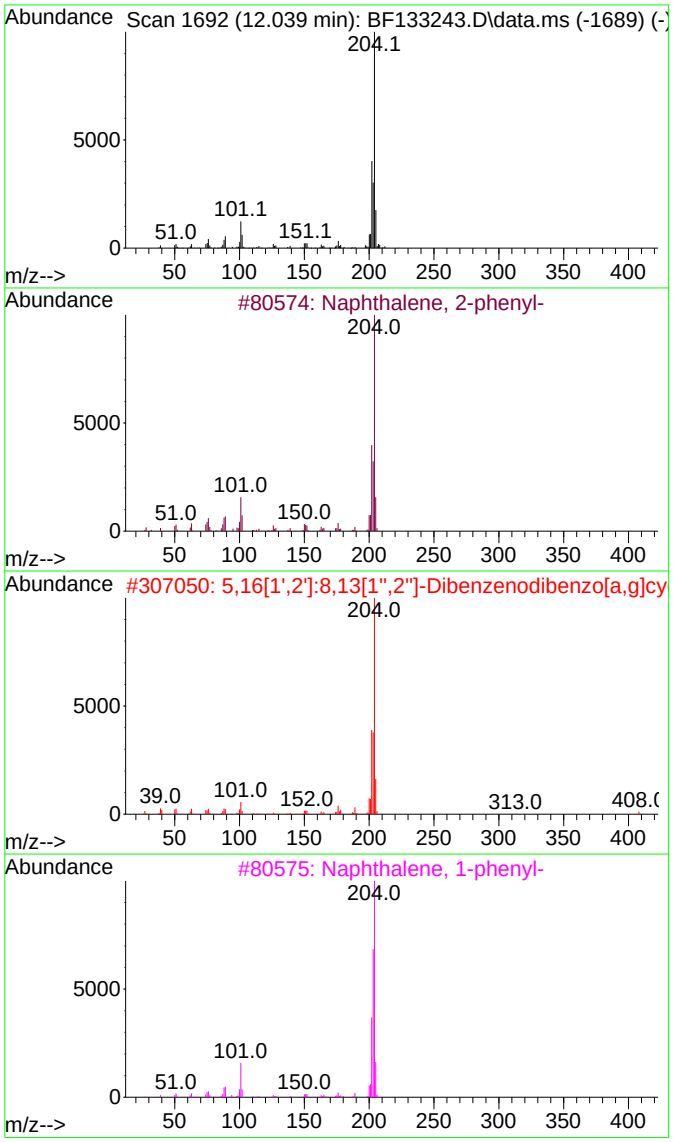
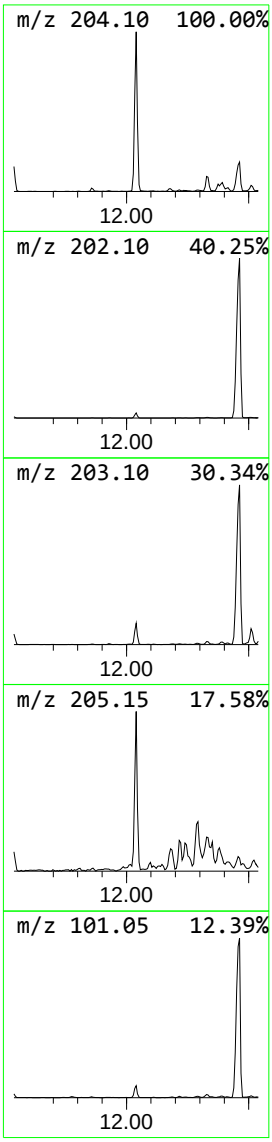
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.039	4.95 ng	463967	Phenanthrene-d10	11.245

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	83
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	47





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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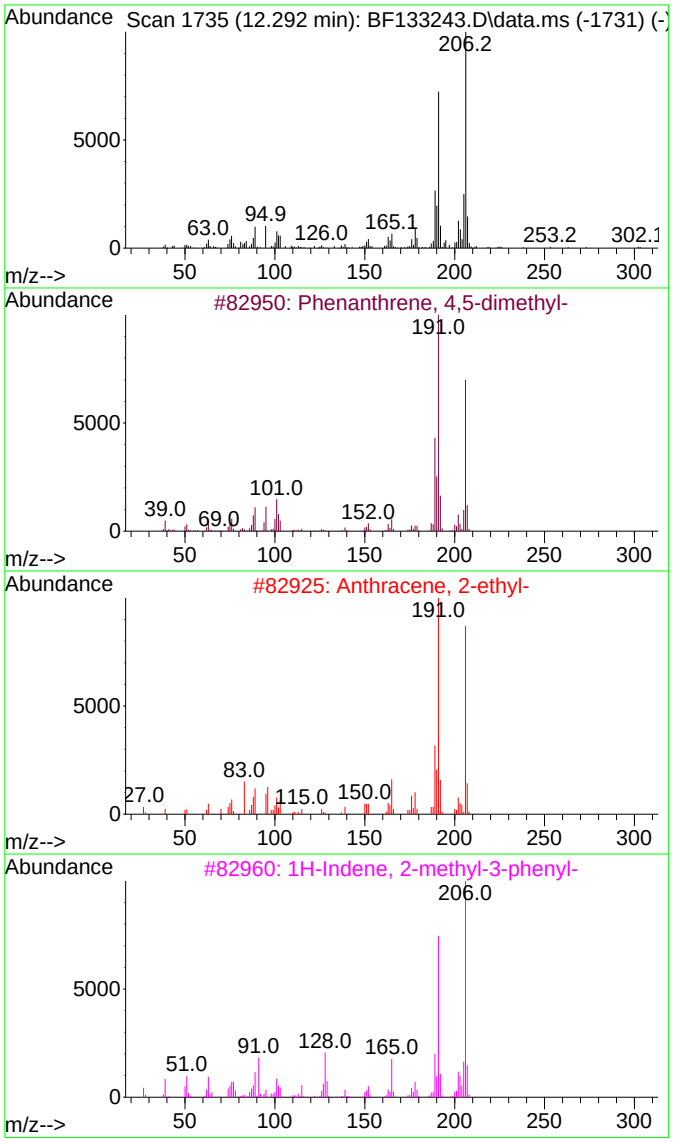
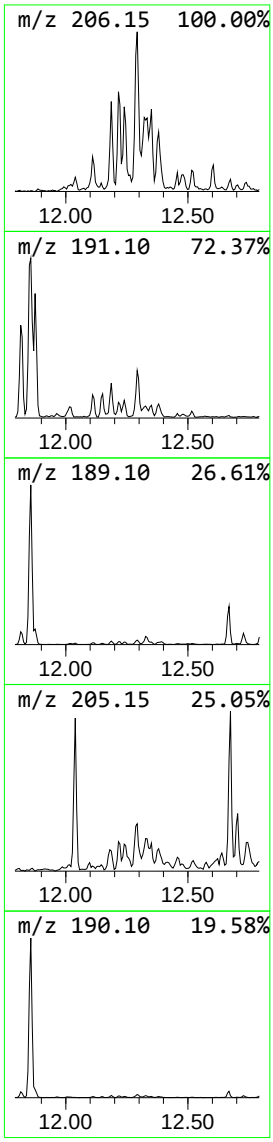
****
Peak Number 10 Phenanthrene, 4,5-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.292	2.27 ng	213220	Phenanthrene-d10	11.245

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
2	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	90
3	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	89
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	83
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	83





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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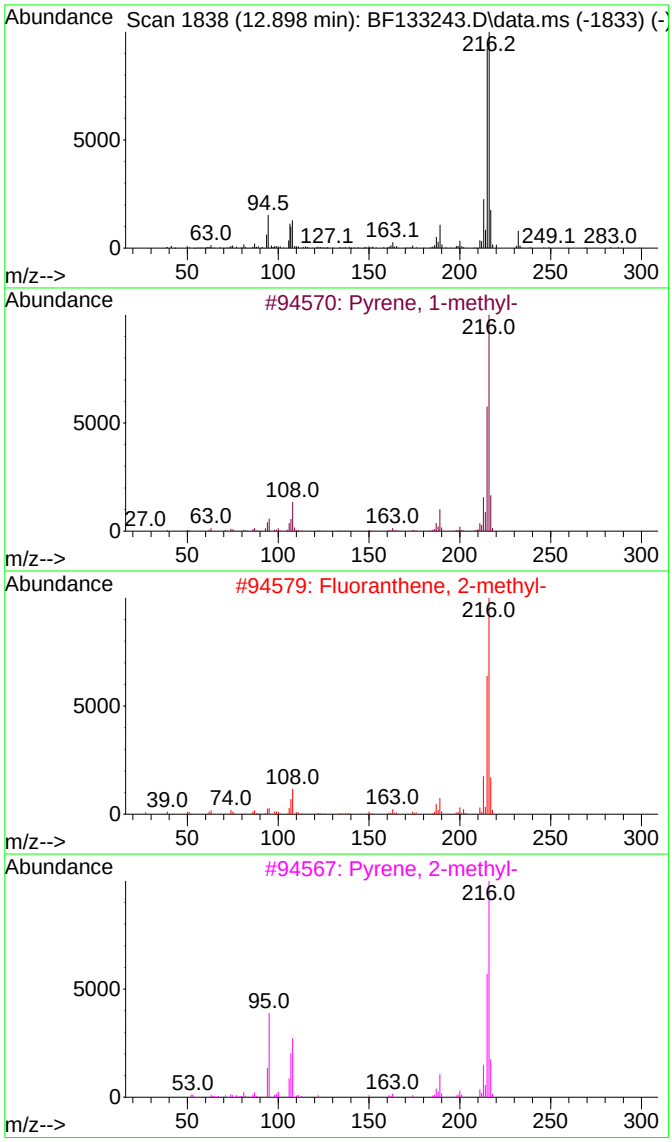
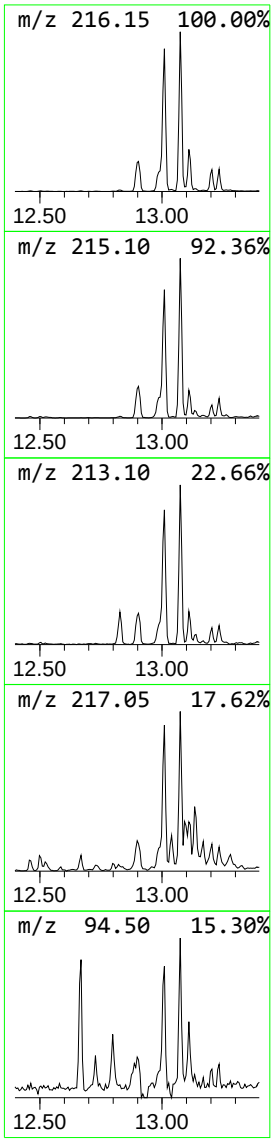
Peak Number 11 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.898	2.24 ng	435417	Chrysene-d12	13.880

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	92
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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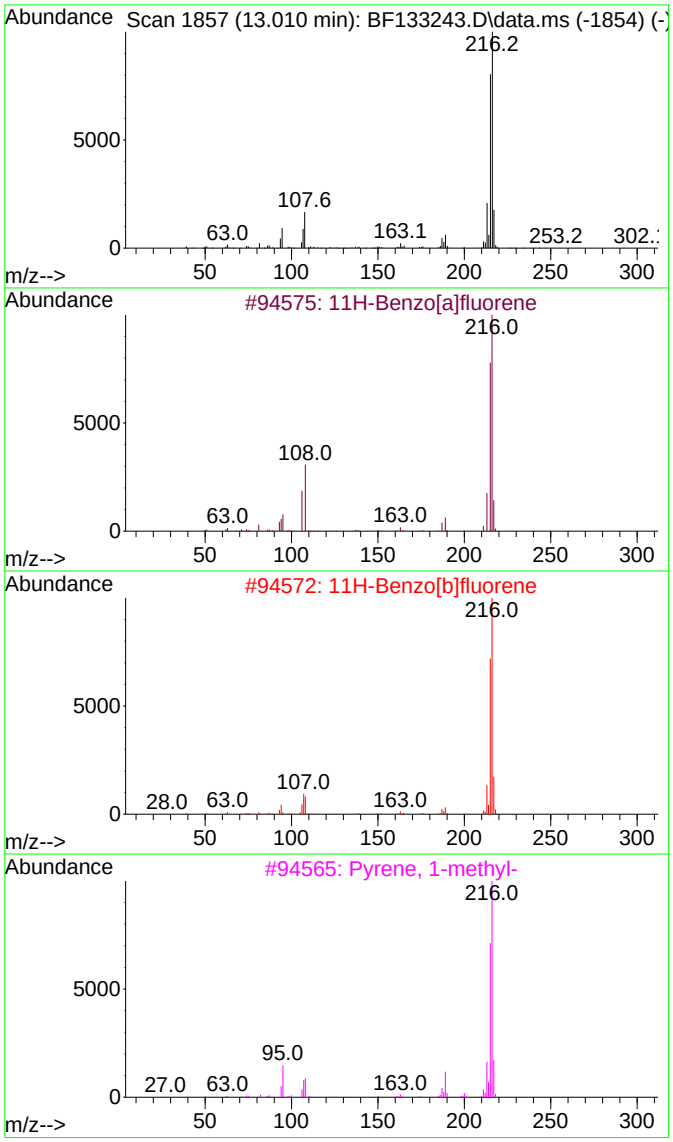
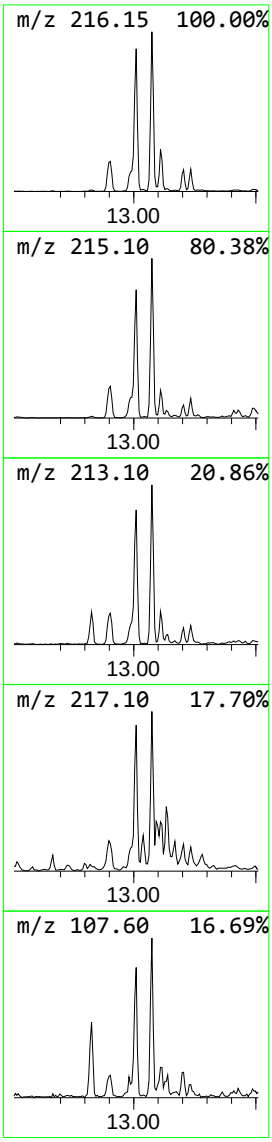
Peak Number 12 11H-Benzo[a]fluorene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.010	4.71 ng	914633	Chrysene-d12	13.880

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	83





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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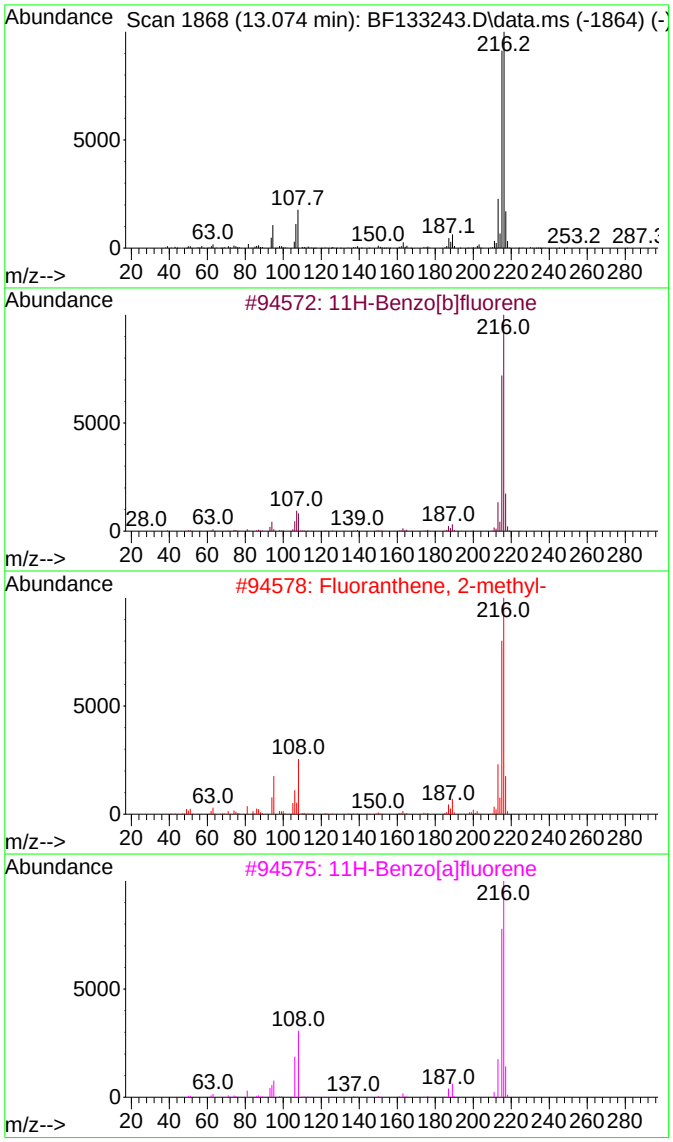
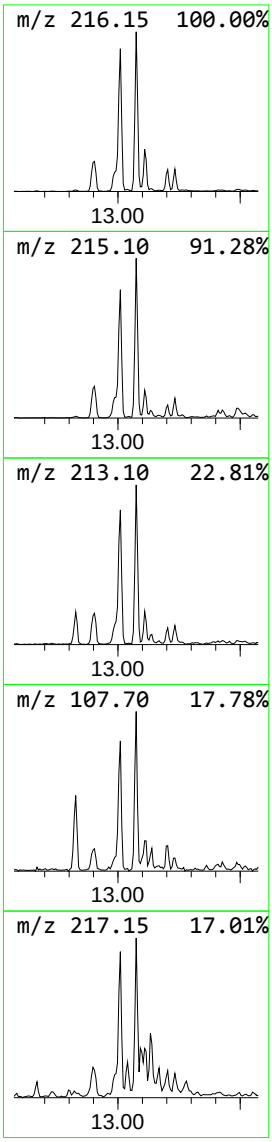
Peak Number 13 11H-Benzo[b]fluorene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.074	5.25 ng	1017650	Chrysene-d12	13.880

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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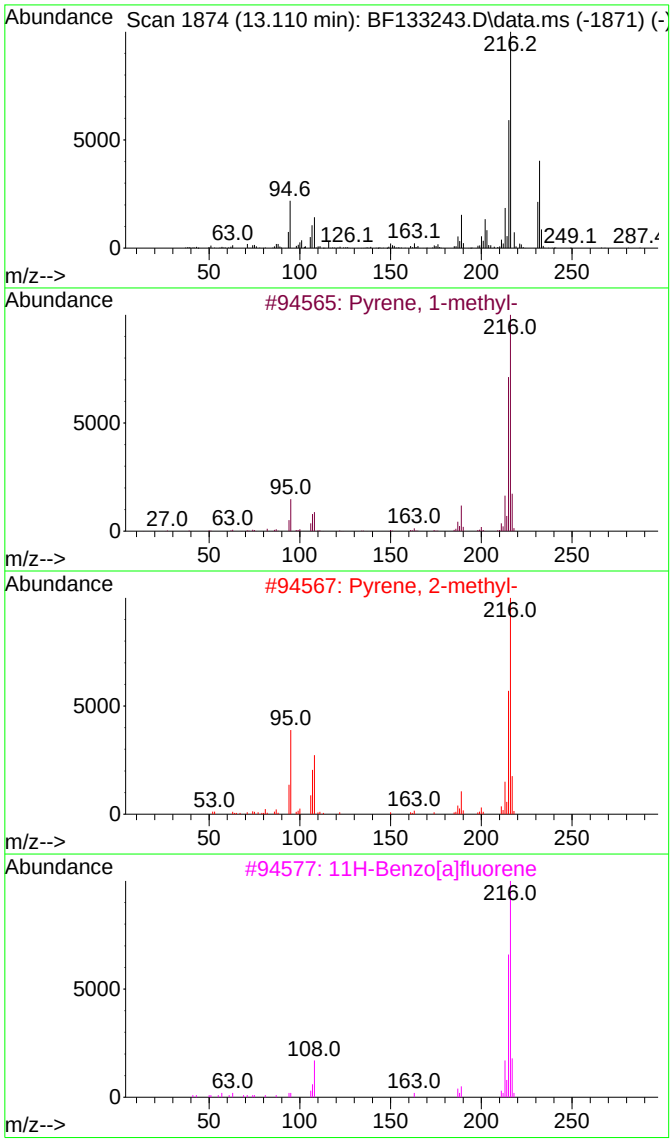
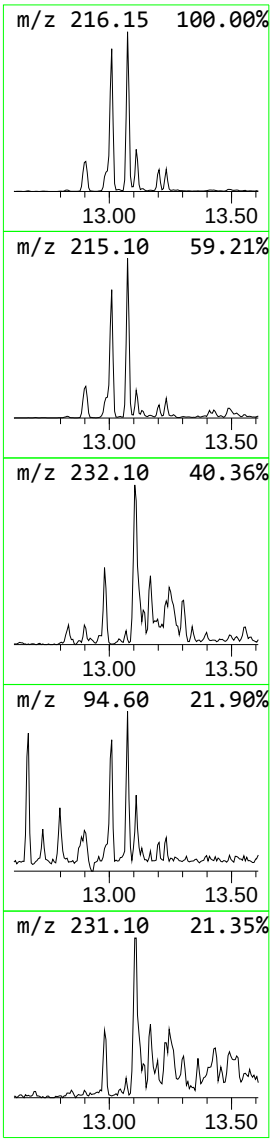
Peak Number 14 Pyrene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.110	2.10 ng	407702	Chrysene-d12	13.880

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	64
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	55
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	55
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	51





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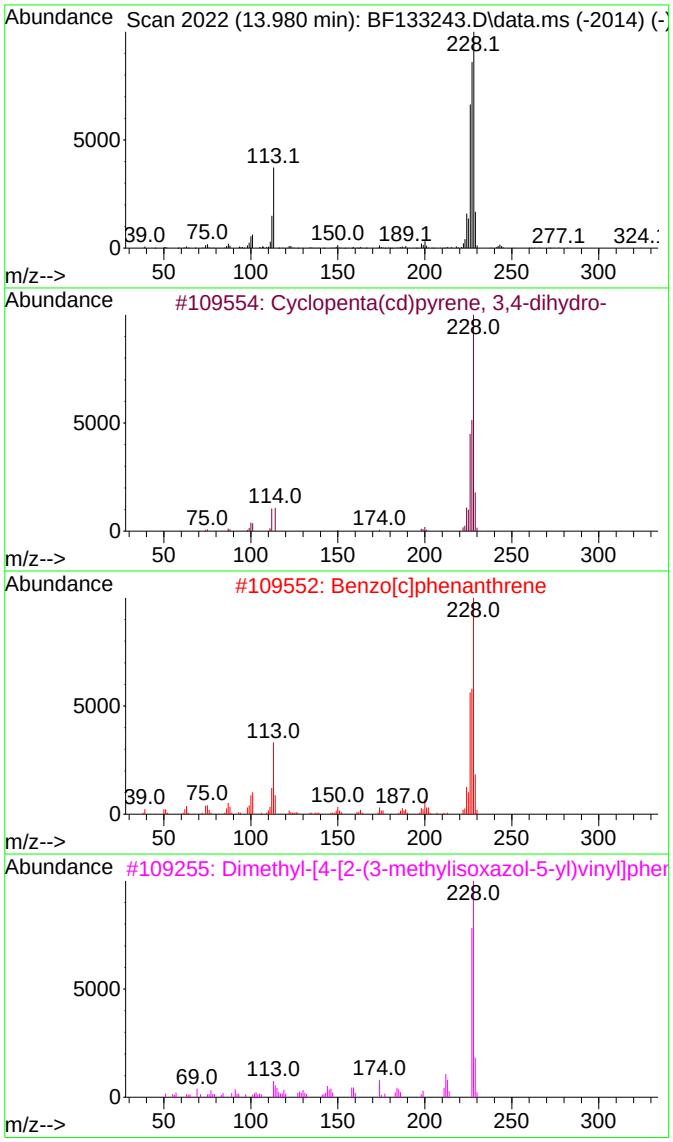
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

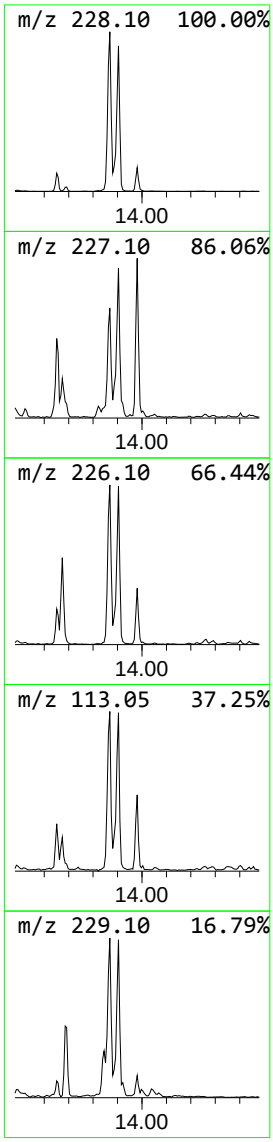
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.980	2.50 ng	484612	Chrysene-d12	13.880

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	70
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	52
3	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	47
4	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	47
5	Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	40





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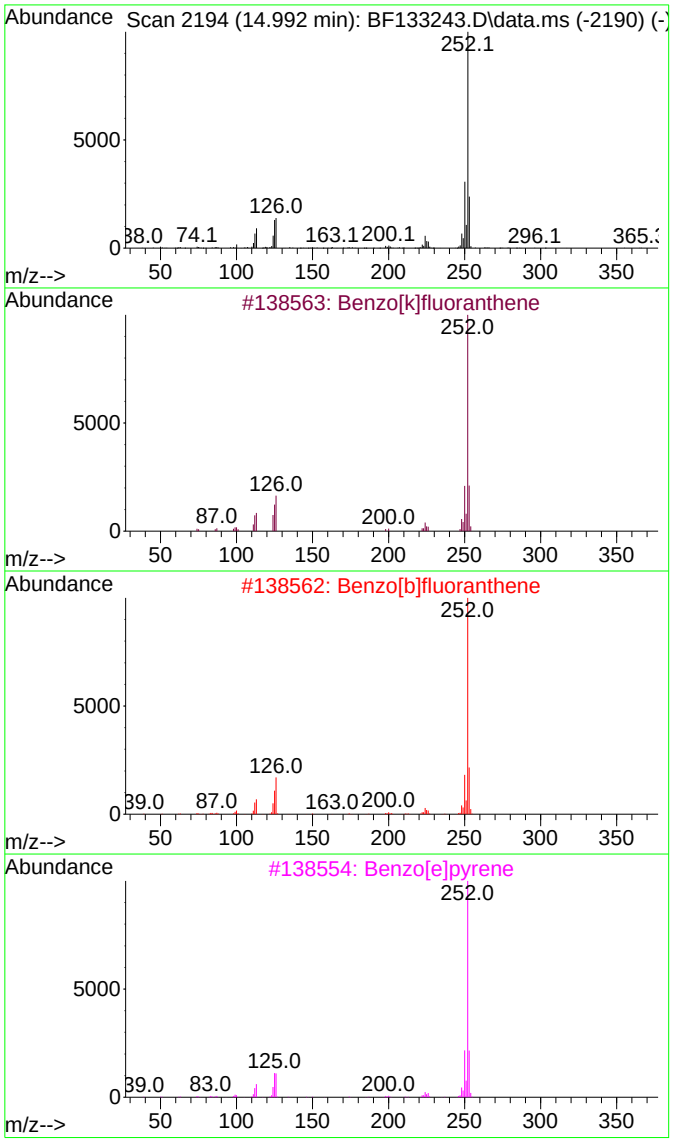
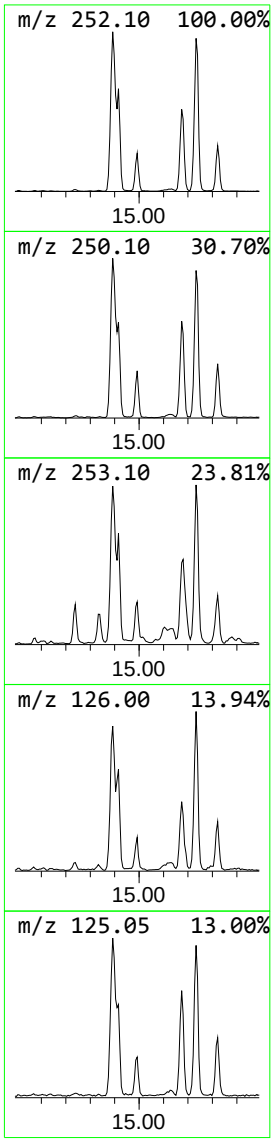
Peak Number 16 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.992	6.26 ng	394018	Perylene-d12	15.292

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
3	Benzo[e]pyrene	252	C20H12	000192-97-2	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	91





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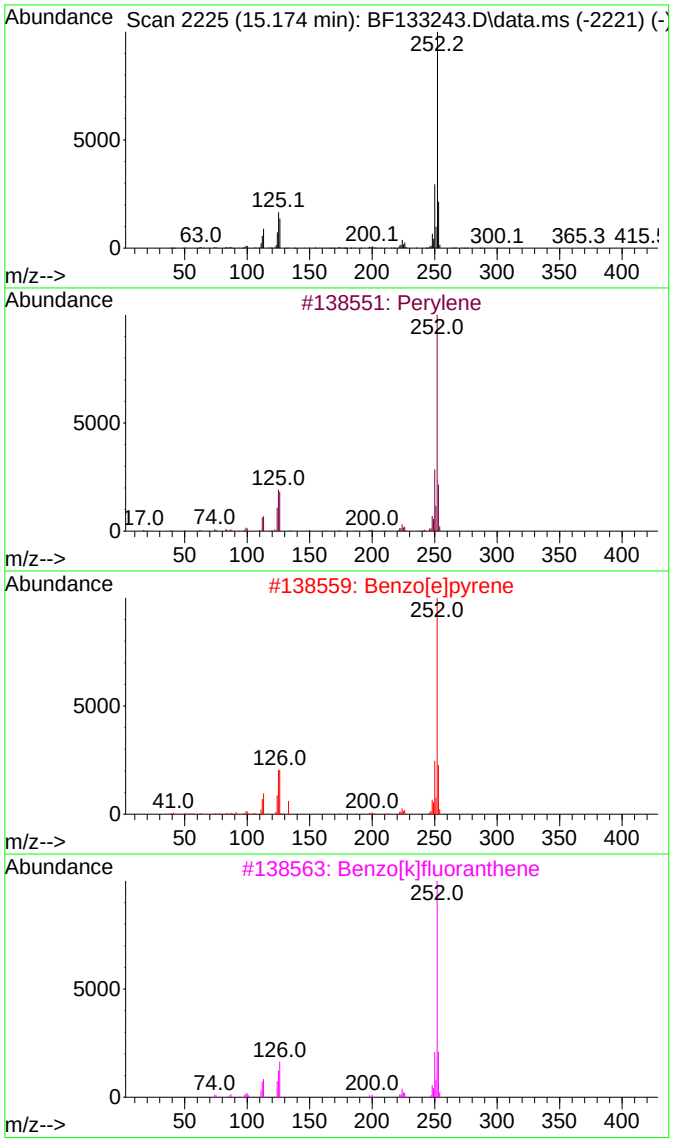
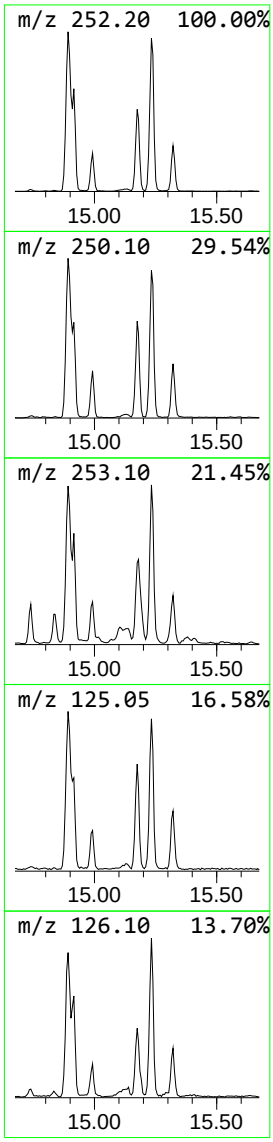
Peak Number 17 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.174	15.97 ng	1004630	Perylene-d12	15.292

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	99
2	Benzo[e]pyrene	252	C20H12	000192-97-2	99
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	90





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Sample : 02588-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PILE-B-UNK-05022023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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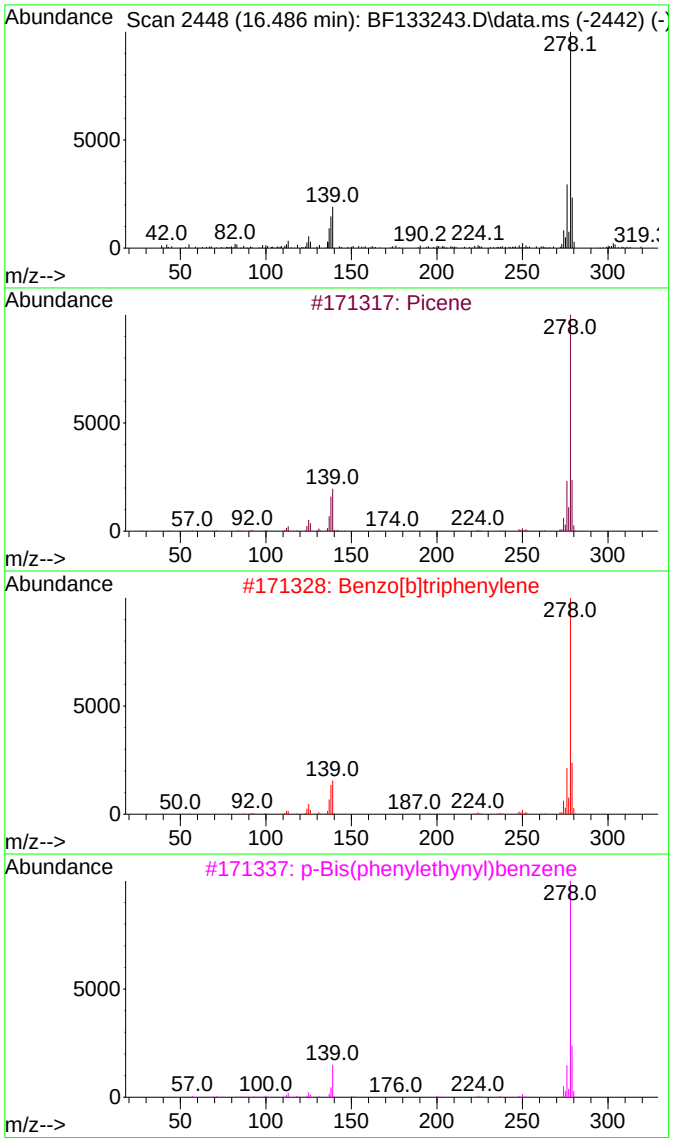
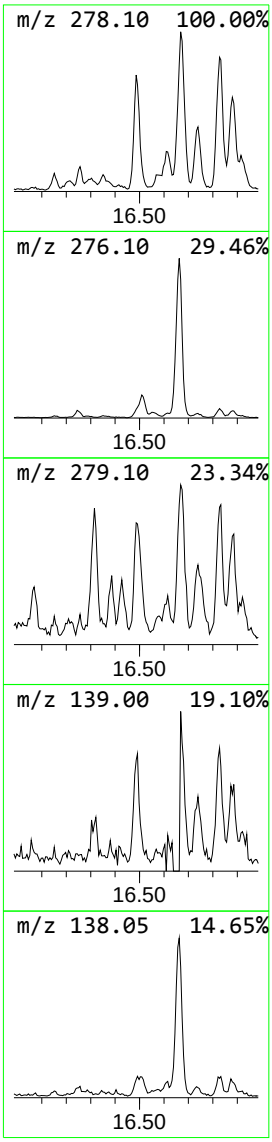
Peak Number 18 Picene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.486	4.29 ng	269985	Perylene-d12	15.292

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	98
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	98
3	p-Bis(phenylethynyl)benzene	278	C22H14	001849-27-0	95
4	Pentacene	278	C22H14	000135-48-8	95
5	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050423\
Data File : BF133243.D
Acq On : 04 May 2023 21:38
Operator : CG\JU
Sample : 02588-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PILE-B-UNK-05022023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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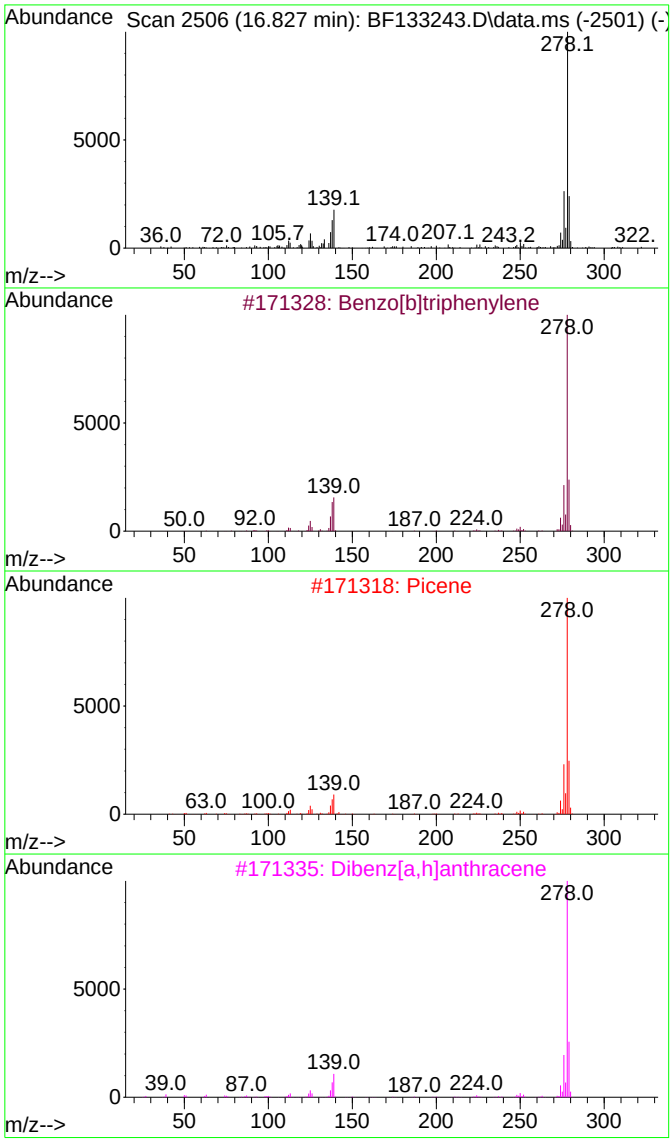
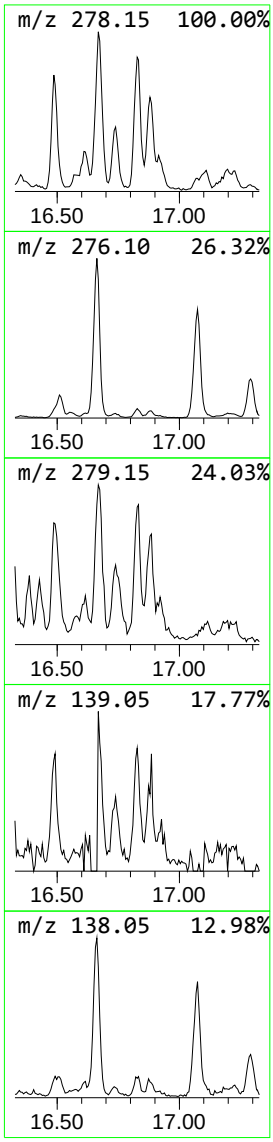
Peak Number 19 Benzo[b]triphenylene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.827	2.79 ng	175309	Perylene-d12	15.292

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	98
2	Picene	278	C22H14	000213-46-7	97
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	95
4	Benzo[b]chrysene	278	C22H14	000214-17-5	95
5	Pentaphene	278	C22H14	000222-93-5	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050423\
Data File : BF133243.D
Acq On : 04 May 2023 21:38
Operator : CG\JU
Sample : 02588-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PILE-B-UNK-05022023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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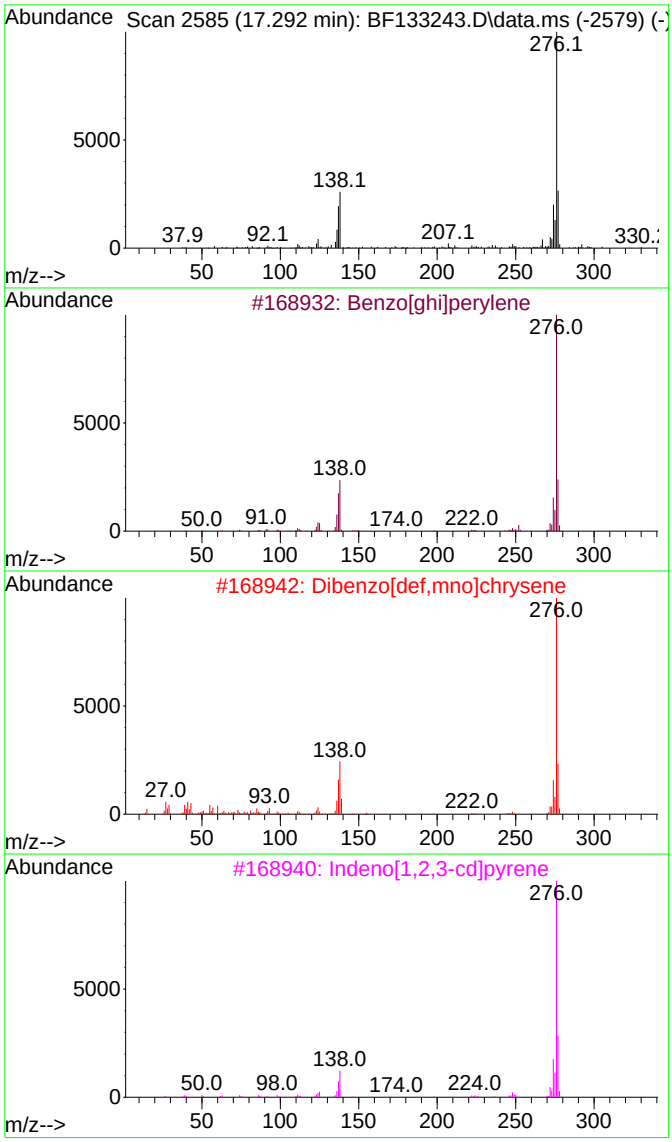
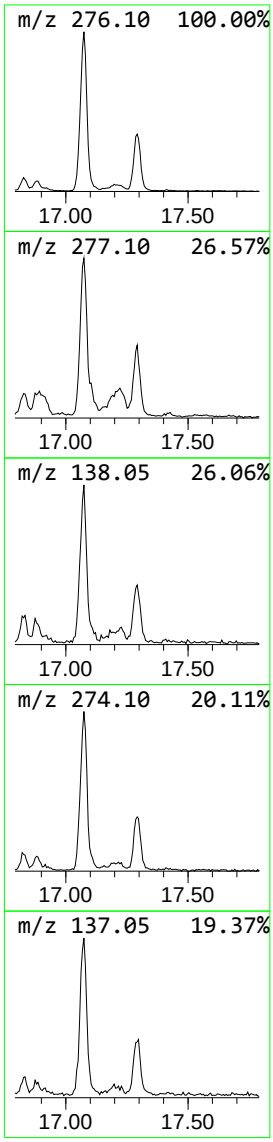
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.292	5.01 ng	315308	Perylene-d12	15.292

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]perylene	276	C22H12	000191-24-2	94
2	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	93
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	87
4	1,3,5-Triazin-2-amine, N-isoprop...	276	C14H24N6	1000276-80-0	47
5	1-Naphthalenecarboxylic acid, 2-...	276	C18H12O3	038119-11-8	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050423\
Data File : BF133243.D
Acq On : 04 May 2023 21:38
Operator : CG\JU
Sample : 02588-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PILE-B-UNK-05022023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzophenone	10.469	5.2	ng	521733	3	9.757	2024700	20.0
9H-Fluorene, 2-...	10.851	3.6	ng	339332	4	11.245	1875950	20.0
Dibenzothiophene	11.139	7.5	ng	699801	4	11.245	1875950	20.0
Phenanthrene, 2...	11.745	6.6	ng	621275	4	11.245	1875950	20.0
Phenanthrene, 1...	11.769	10.2	ng	952955	4	11.245	1875950	20.0
1H-Cyclopropa[l...	11.816	3.7	ng	345703	4	11.245	1875950	20.0
4H-Cyclopenta[d...	11.857	16.5	ng	1548810	4	11.245	1875950	20.0
Naphthalene, 2-...	12.039	5.0	ng	463967	4	11.245	1875950	20.0
Phenanthrene, 4...	12.292	2.3	ng	213220	4	11.245	1875950	20.0
Pyrene, 1-methyl-	12.898	2.2	ng	435417	5	13.880	3880080	20.0
11H-Benzo[a]flu...	13.010	4.7	ng	914633	5	13.880	3880080	20.0
11H-Benzo[b]flu...	13.074	5.3	ng	1017650	5	13.880	3880080	20.0
Pyrene, 2-methyl-	13.110	2.1	ng	407702	5	13.880	3880080	20.0
Cyclopenta(cd)p...	13.980	2.5	ng	484612	5	13.880	3880080	20.0
Benzo[e]pyrene	14.992	6.3	ng	394018	6	15.292	1257990	20.0
Perylene	15.174	16.0	ng	1004630	6	15.292	1257990	20.0
Picene	16.486	4.3	ng	269985	6	15.292	1257990	20.0
Benzo[b]triphen...	16.827	2.8	ng	175309	6	15.292	1257990	20.0
Dibenzo[def,mno...	17.292	5.0	ng	315308	6	15.292	1257990	20.0