LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092923\
Data File : BF135521.D
Acq On : 29 Sep 2023 17:46
Operator : CG\JU
Sample : 04637-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-1

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-BF091123.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF135521.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.381	557	560	580	rBV	2229702	2280271	15.06%	1.326%
2	6.398	730	733	745	rBV	1982377	2258752	14.92%	1.314%
3	6.745	789	792	798	rBV	1069799	854562	5.64%	0.497%
4	7.310	885	888	897	rBV	1570302	1313900	8.68%	0.764%
5	8.022	1006	1009	1012	rBV	1082685	971361	6.42%	0.565%
6	9.098	1189	1192	1196	rBV	2074685	1787503	11.81%	1.040%
7	9.639	1281	1284	1289	rBV	801544	758539	5.01%	0.441%
8	9.780	1305	1308	1311	rVV	1048614	869916	5.75%	0.506%
9	9.810	1311	1313	1317	rVV	476879	423223	2.80%	0.246%
10	9.986	1341	1343	1348	rBV	271344	259895	1.72%	0.151%
11	10.180	1374	1376	1379	rBV3	172085	168254	1.11%	0.098%
12	10.333	1398	1402	1406	rBV	572159	576431	3.81%	0.335%
13	10.486	1426	1428	1431	rBV	163837	154496	1.02%	0.090%
14	10.574	1440	1443	1446	rBV	1014684	878553	5.80%	0.511%
15	11.086	1528	1530	1533	rVB	421606	318559	2.10%	0.185%
16	11.169	1542	1544	1550	rVB	660940	680443	4.49%	0.396%
17	11.280	1560	1563	1564	rBV	616713	640908	4.23%	0.373%
18	11.316	1564	1569	1572	rVV	5002171	6990106	46.17%	4.065%
19	11.357	1572	1576	1579	rVV	1514628	1206531	7.97%	0.702%
20	11.392	1579	1582	1585	rBV	1243798	1066222	7.04%	0.620%
21	11.516	1598	1603	1607	rBV2	1564221	1818841	12.01%	1.058%
22	11.780	1646	1648	1651	rBV	826702	782268	5.17%	0.455%
23	11.816	1651	1654	1658	rVB2	1582311	1764251	11.65%	1.026%
24	11.898	1665	1668	1670	rBV2	1949595	1938268	12.80%	1.127%
25	12.080	1696	1699	1702	rBV	1103072	1030136	6.80%	0.599%
26	12.121	1702	1706	1710	rVB	1871016	2330545	15.39%	1.355%
27	12.339	1740	1743	1746	rBV2	374754	492109	3.25%	0.286%
28	12.545	1767	1778	1780	rBV	5858297	15140528	100.00%	8.806%
29	12.610	1786	1789	1795	rVV2	718893	760922	5.03%	0.443%
30	12.663	1795	1798	1803	rVV3	1140114	1378286	9.10%	0.802%
31	12.757	1807	1814	1815	rVV2	5516263	9993987	66.01%	5.812%
32	12.792	1819	1820	1824	rVB	965137	537639	3.55%	0.313%
33	12.857	1828	1831	1833	rBV	1225903	1348801	8.91%	0.784%
34	12.874	1833	1834	1837	rVV	1341179	1194506	7.89%	0.695%
35	12.904	1837	1839	1843	rVB	1218471	1048514	6.93%	0.610%
36	12.957	1843	1848	1852	rBV2	1030953	1826339	12.06%	1.062%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092923\
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Acq On : 29 Sep 2023 17:46
Operator : CG\JU
Sample : 04637-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-1

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-BF091123.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.992	1852	1854	1856	rVV	586297	454018	3.00%	0.264%
38	13.045	1859	1863	1864	rVV2	941296	1149729	7.59%	0.669%
39	13.074	1864	1868	1870	rVB	2148498	2500003	16.51%	1.454%
40	13.133	1875	1878	1881	rVV	1639727	1582995	10.46%	0.921%
41	13.174	1881	1885	1887	rVV2	1355565	1779189	11.75%	1.035%
42	13.192	1887	1888	1891	rVV	1057706	766158	5.06%	0.446%
43	13.227	1891	1894	1897	rVB2	462748	421973	2.79%	0.245%
44	13.263	1897	1900	1903	rBV	799001	720582	4.76%	0.419%
45	13.292	1903	1905	1914	rVB3	850124	1192212	7.87%	0.693%
46	13.357	1914	1916	1918	rBV2	283721	221910	1.47%	0.129%
47	13.492	1936	1939	1941	rVB	606543	494204	3.26%	0.287%
48	13.586	1952	1955	1958	rVB	1540159	1439999	9.51%	0.837%
49	13.692	1969	1973	1975	rBV2	2325123	2685726	17.74%	1.562%
50	13.715	1975	1977	1980	rVV	1694076	1773701	11.71%	1.032%
51	13.745	1980	1982	1988	rVV3	1975255	3021495	19.96%	1.757%
52	13.804	1988	1992	1996	rVB	1604103	2228699	14.72%	1.296%
53	13.862	1999	2002	2007	rVB	704174	843438	5.57%	0.491%
54	13.951	2008	2017	2019	rBV3	4047934	9521989	62.89%	5.538%
55	13.998	2019	2025	2029	rVB2	5063806	9663984	63.83%	5.621%
56	14.062	2033	2036	2039	rVB	2051131	1784002	11.78%	1.038%
57	14.098	2040	2042	2045	rBV	844937	803237	5.31%	0.467%
58	14.145	2048	2050	2051	rBV	316974	218108	1.44%	0.127%
59	14.162	2051	2053	2054	rBV	558012	396375	2.62%	0.231%
60	14.210	2059	2061	2064	rVB2	361292	289630	1.91%	0.168%
61	14.298	2073	2076	2077	rBV	429083	468442	3.09%	0.272%
62	14.333	2080	2082	2085	rVV	1111037	1099439	7.26%	0.639%
63	14.368	2085	2088	2089	rVV2	629882	690959	4.56%	0.402%
64	14.386	2089	2091	2093	rVV	914191	876730	5.79%	0.510%
65	14.433	2097	2099	2101	rVV	601019	619226	4.09%	0.360%
66	14.462	2101	2104	2105	rVV	1023891	1109575	7.33%	0.645%
67	14.480	2105	2107	2110	rVV	1153797	1025470	6.77%	0.596%
68	14.527	2110	2115	2118	rVB2	514607	684977	4.52%	0.398%
69	14.657	2133	2137	2143	rVB4	641601	1108519	7.32%	0.645%
70	14.833	2164	2167	2172	rVB	758803	1037088	6.85%	0.603%
71	14.945	2182	2186	2189	rBV2	360421	636560	4.20%	0.370%
72	15.021	2189	2199	2202	rBV2	3875071	11568601	76.41%	6.728%
73	15.104	2210	2213	2217	rBV	1310796	1396176	9.22%	0.812%
74	15.186	2223	2227	2232	rBV2	431775	860827	5.69%	0.501%
75	15.315	2241	2249	2253	rBV	2944466	6147651	40.60%	3.575%
76	15.386	2254	2261	2265	rVV	3511282	6830323	45.11%	3.972%

LSC Area Percent Report

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Operator : CG\JU
Sample : 04637-01
Misc :
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Instrument :
BNA_F
ClientSampleId :
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Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
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Start Thrs: 0.2 Max Peaks: 100
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Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	15.427	2265	2268	2270	rVV	386884	412474	2.72%	0.240%
78	15.462	2270	2274	2279	rVB2	1963599	2863468	18.91%	1.665%
79	15.980	2359	2362	2366	rVB2	430722	503342	3.32%	0.293%
80	16.956	2515	2528	2532	rBV2	2167139	6801466	44.92%	3.956%
81	17.092	2545	2551	2555	rBV	581761	1207638	7.98%	0.702%
82	17.151	2557	2561	2568	rVB2	637710	1394327	9.21%	0.811%
83	17.421	2592	2607	2614	rBV2	1916618	6738270	44.50%	3.919%
84	17.627	2636	2642	2655	rVB2	680694	2062048	13.62%	1.199%

Sum of corrected areas: 171941317

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092923\
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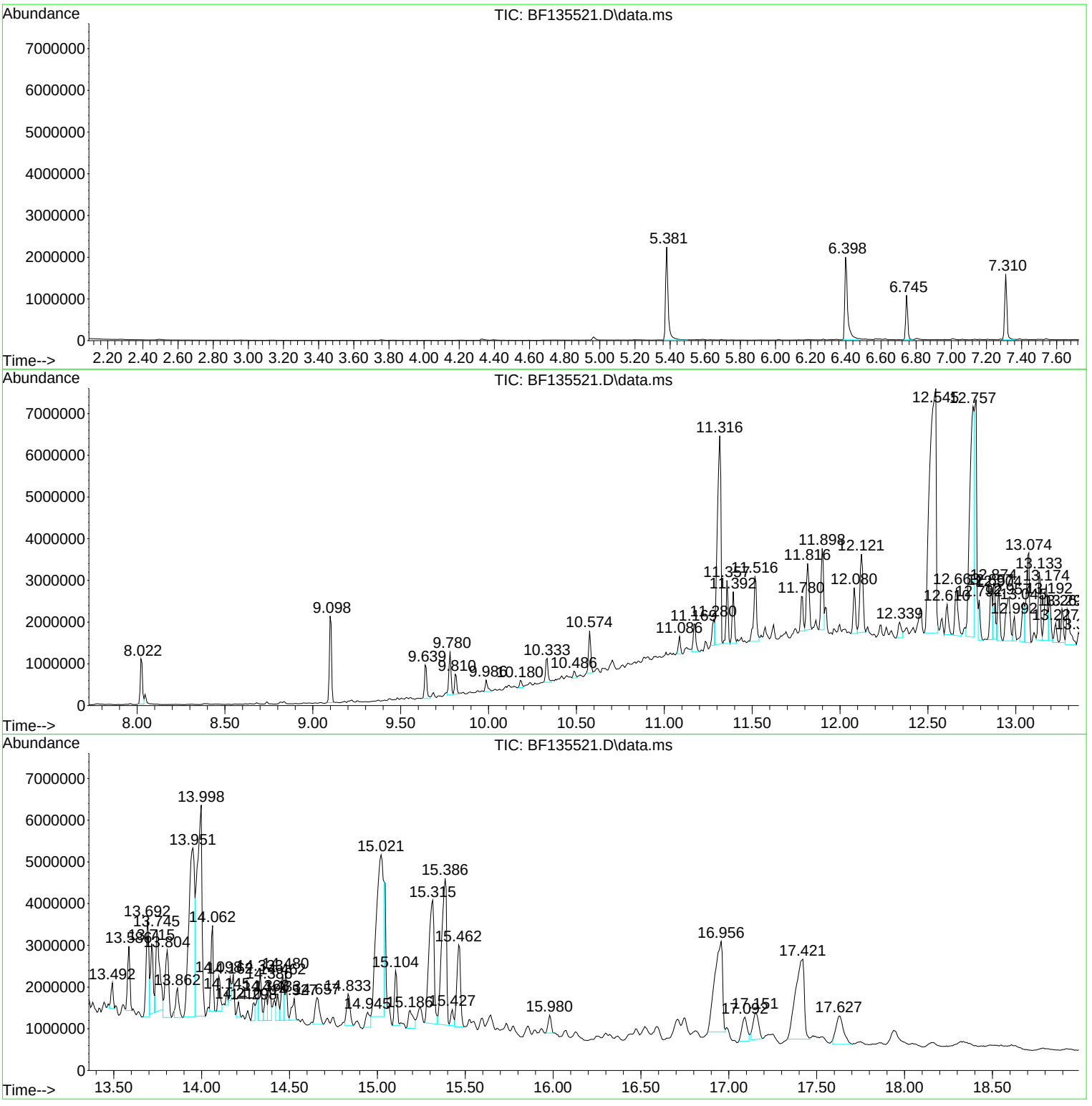
Instrument :
BNA_F
ClientSampleId :
WC-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.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\BF092923\
Data File : BF135521.D
Acq On : 29 Sep 2023 17:46
Operator : CG\JU
Sample : 04637-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

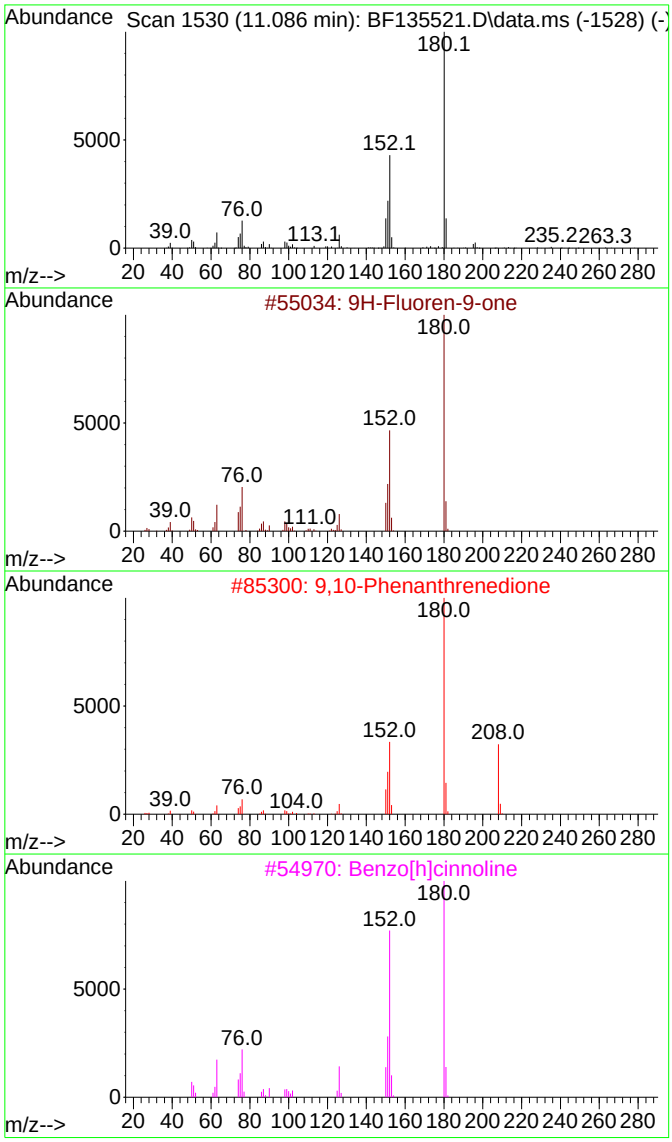
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

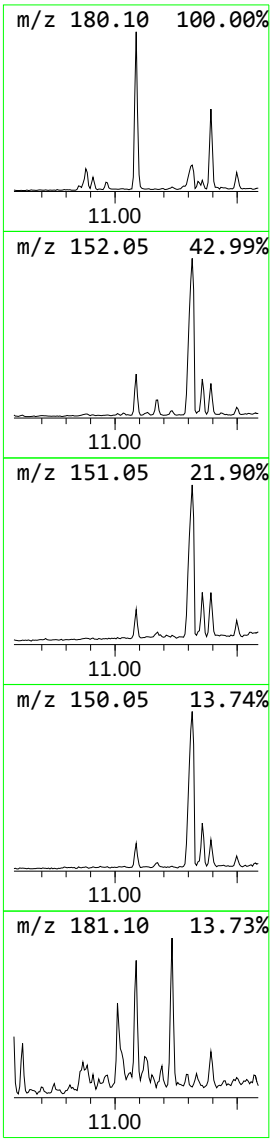
****

Peak Number 1 9H-Fluoren-9-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.086	9.94 ng	318559	Phenanthrene-d10	11.280

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	90
3	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	87
4	Diphenic anhydride	224	C14H8O3	006050-13-1	64
5	9,9-Bis[4-aminophenylsulfonyl]fl...	476	C25H20N2O4S2	081269-16-1	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092923\
Data File : BF135521.D
Acq On : 29 Sep 2023 17:46
Operator : CG\JU
Sample : 04637-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.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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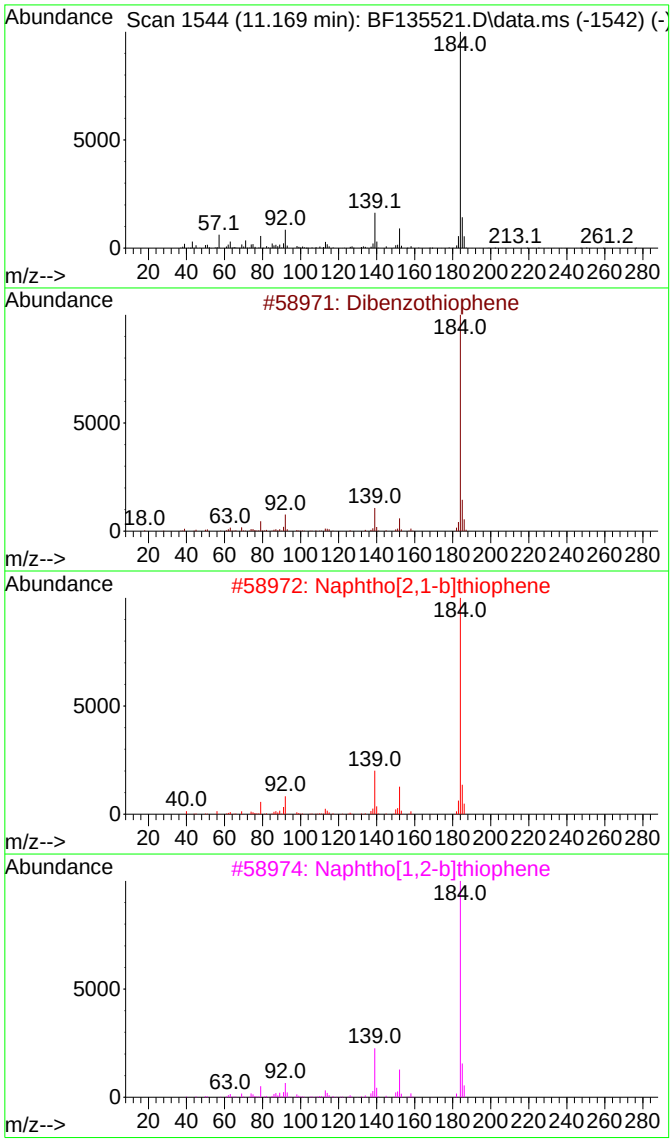
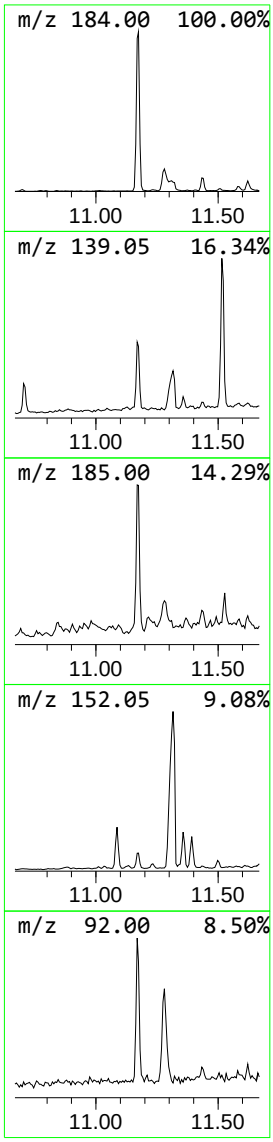
Peak Number 2 Dibenzothiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.169	21.23 ng	680443	Phenanthrene-d10	11.280

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	91
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092923\
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Sample : 04637-01
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Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.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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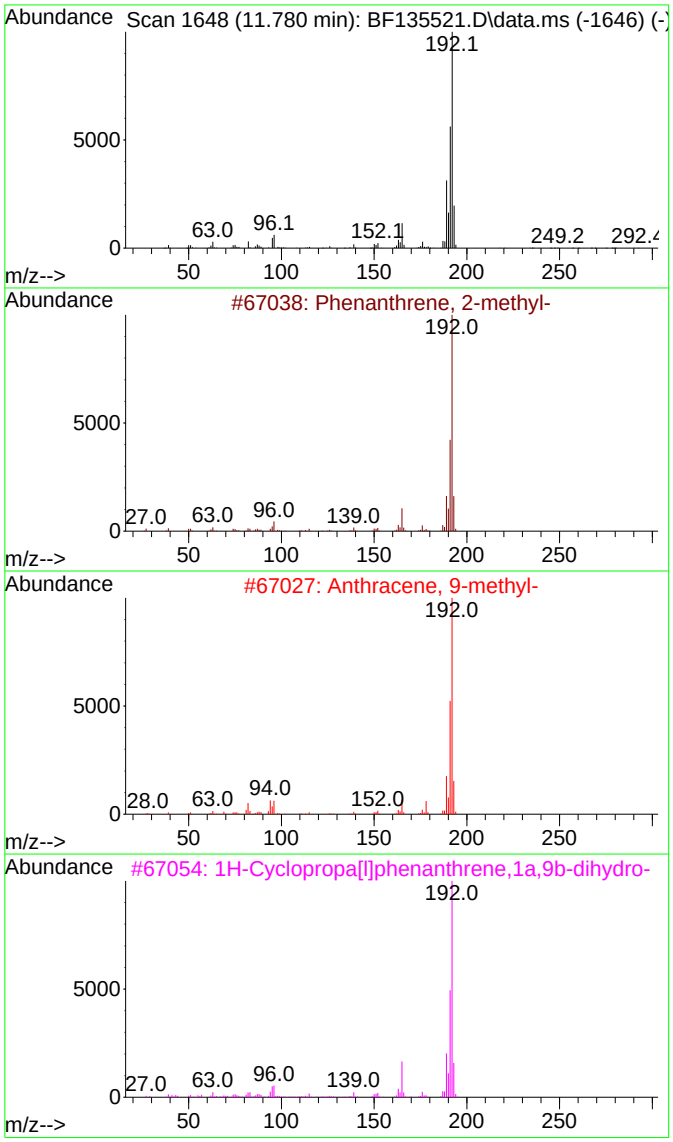
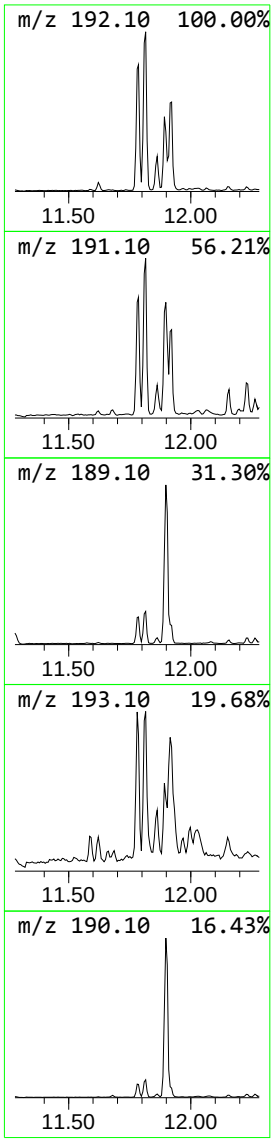
Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.780	24.41 ng	782268	Phenanthrene-d10	11.280

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93





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Operator : CG\JU
Sample : 04637-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.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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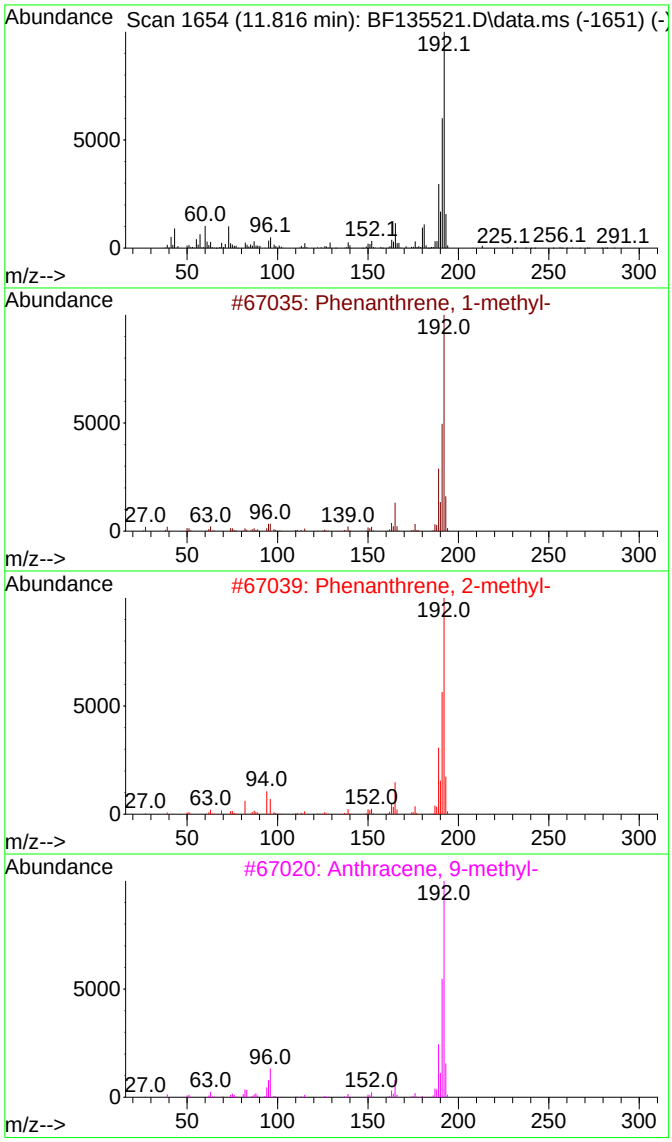
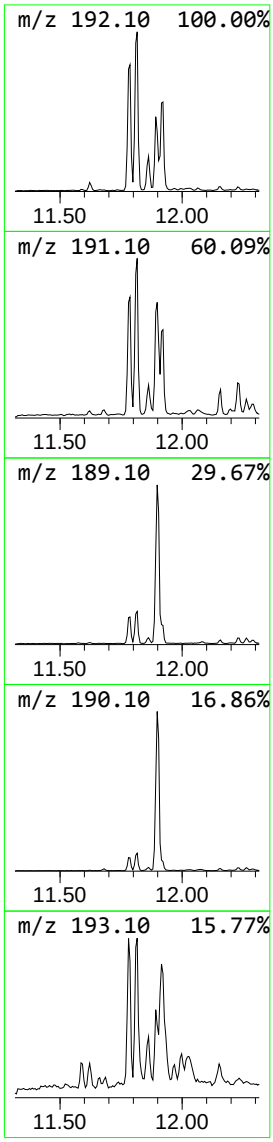
Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.816	55.05 ng	1764250	Phenanthrene-d10	11.280

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91





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Acq On : 29 Sep 2023 17:46
Operator : CG\JU
Sample : 04637-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

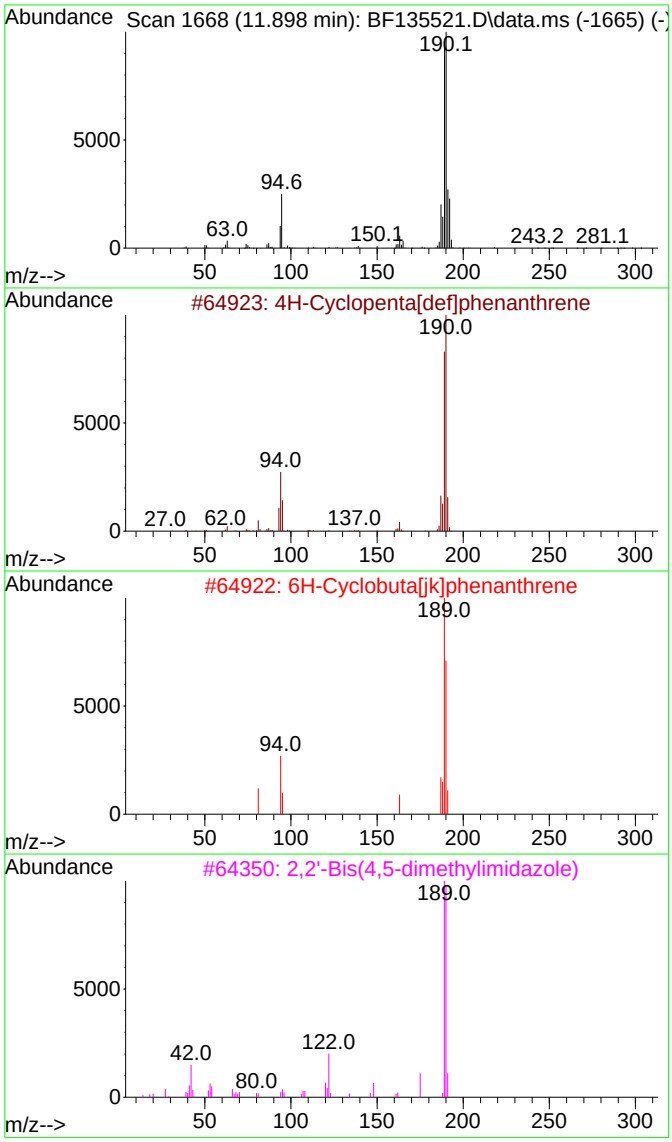
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

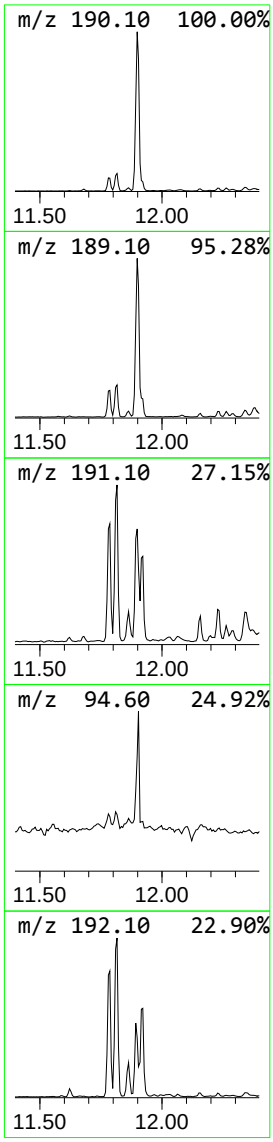
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.898	60.49 ng	1938270	Phenanthrene-d10	11.280

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40
4	Cyclohexanone, 2-(2-furanylmethy...	190	C12H14O2	056053-07-7	22
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092923\
Data File : BF135521.D
Acq On : 29 Sep 2023 17:46
Operator : CG\JU
Sample : 04637-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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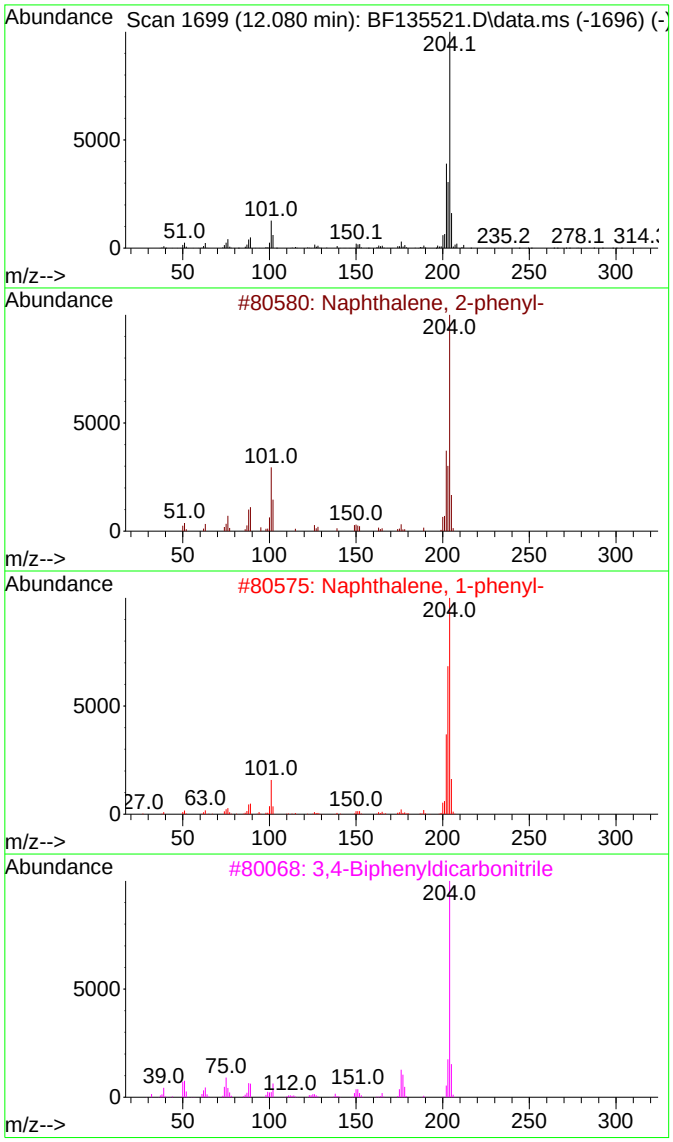
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

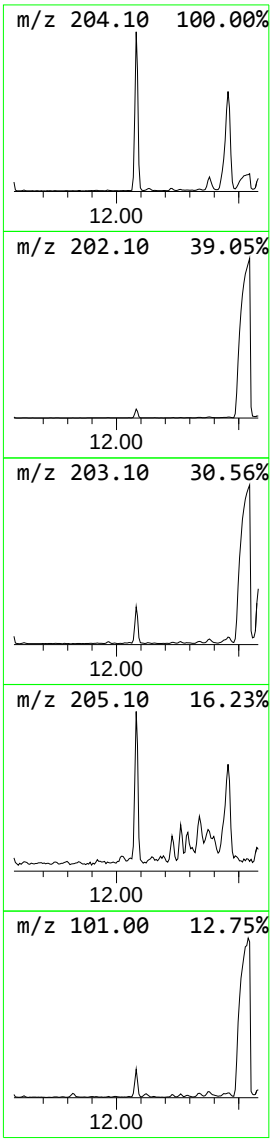
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.080	32.15 ng	1030140	Phenanthrene-d10	11.280

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	49
4	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47
5	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	47





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Acq On : 29 Sep 2023 17:46
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Sample : 04637-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

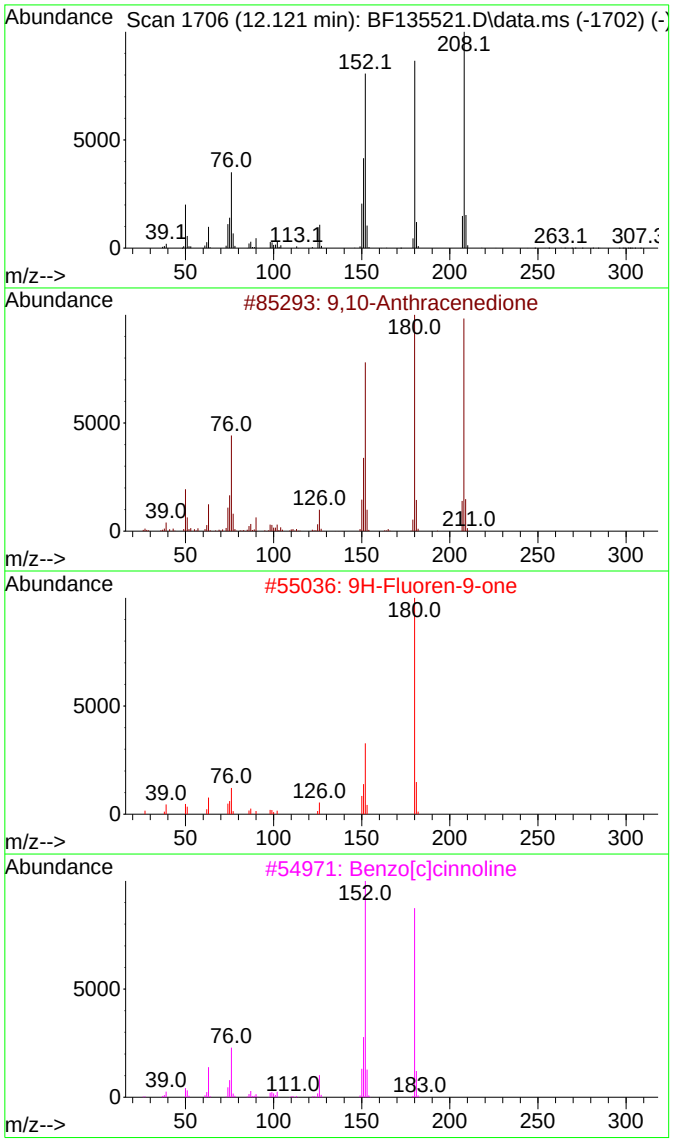
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

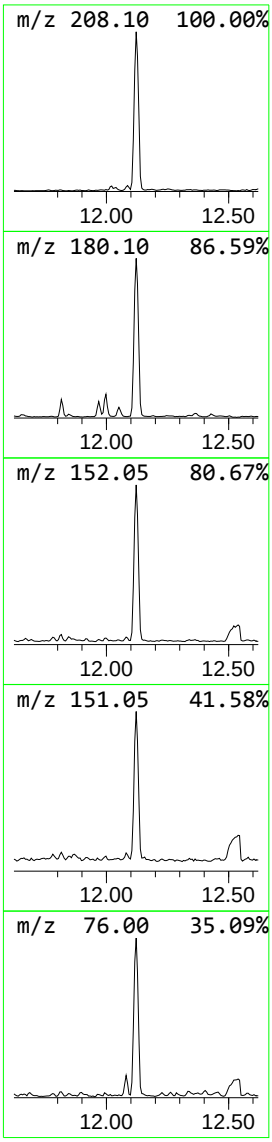
****

Peak Number 7 9,10-Anthracenedione Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.121	72.73 ng	2330550	Phenanthrene-d10	11.280

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	90
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5	5,6-Dimethyl-1,10-phenanthroline	208	C14H12N2	003002-81-1	38





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ClientSampleId :
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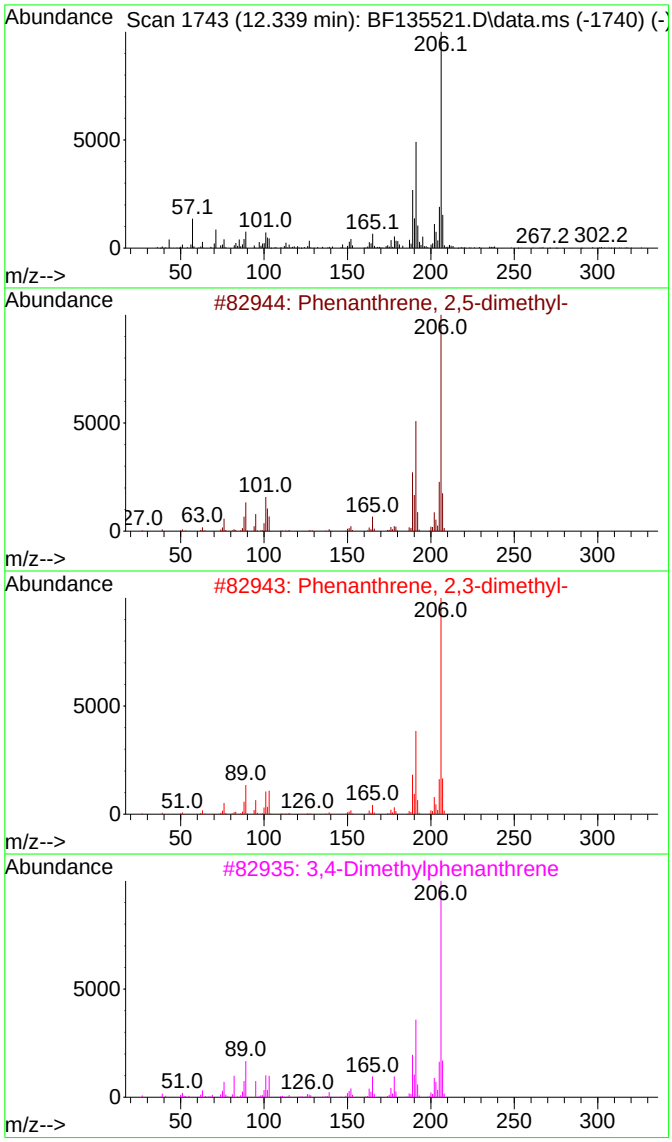
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

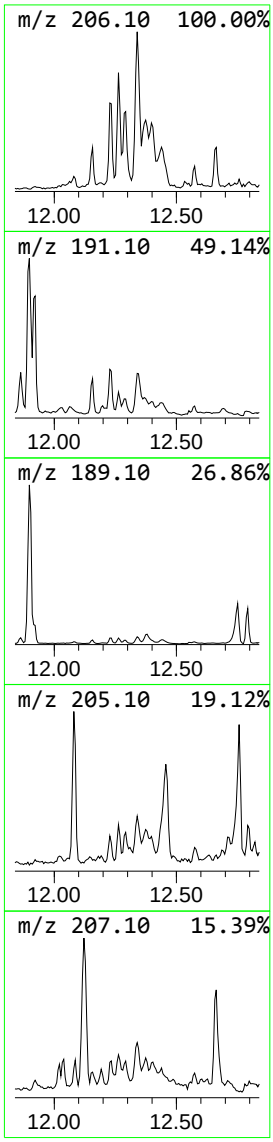
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Phenanthrene, 2,5-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.339	15.36 ng	492109	Phenanthrene-d10	11.280

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	90
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	89
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	83





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ClientSampleId :
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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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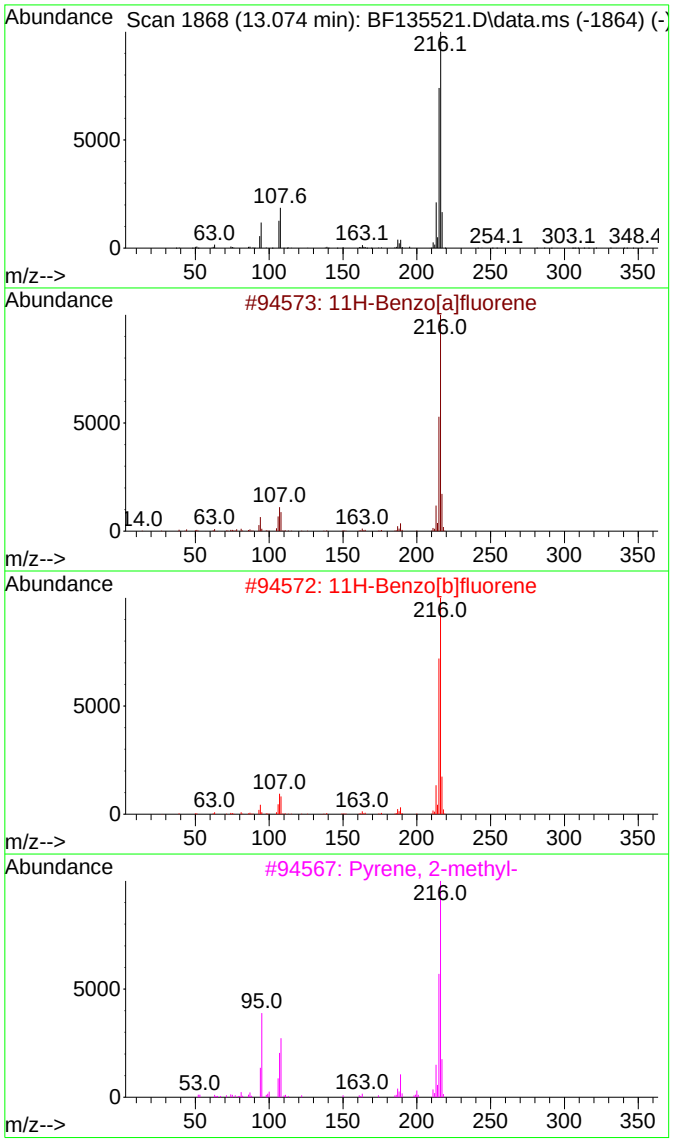
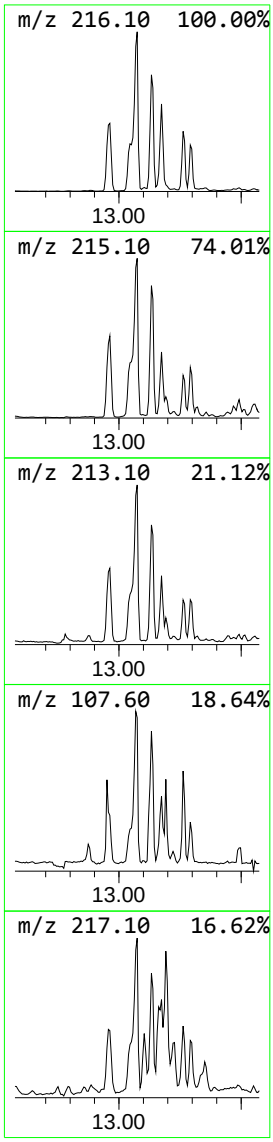
Peak Number 10 11H-Benzo[a]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.074	5.25 ng	2500000	Chrysene-d12	13.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	72
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	72





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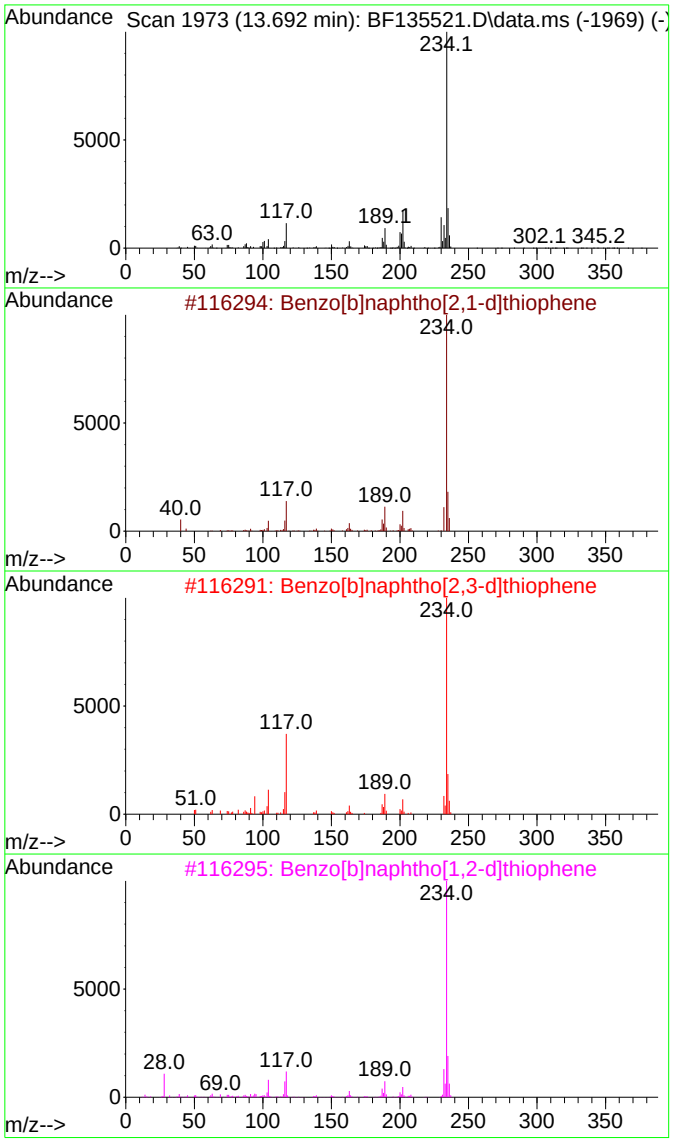
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

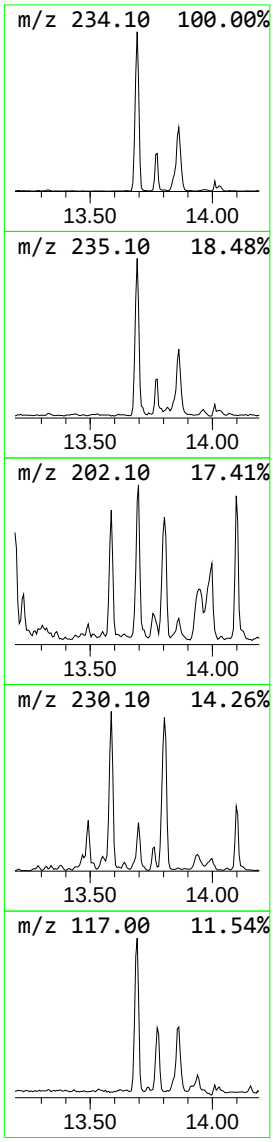
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.692	5.64 ng	2685730	Chrysene-d12	13.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	87
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	81
4	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	59
5	pyrido[1',2':1,2]imidazo[4,5-b]q...	234	C14H10N4	1000401-06-3	53





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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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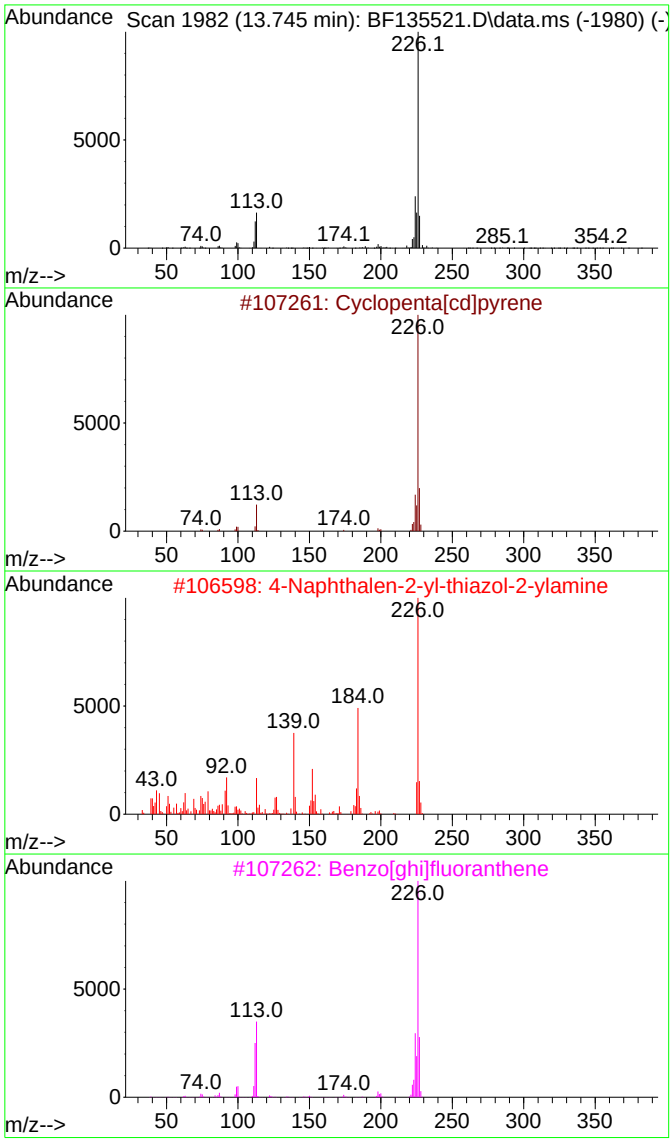
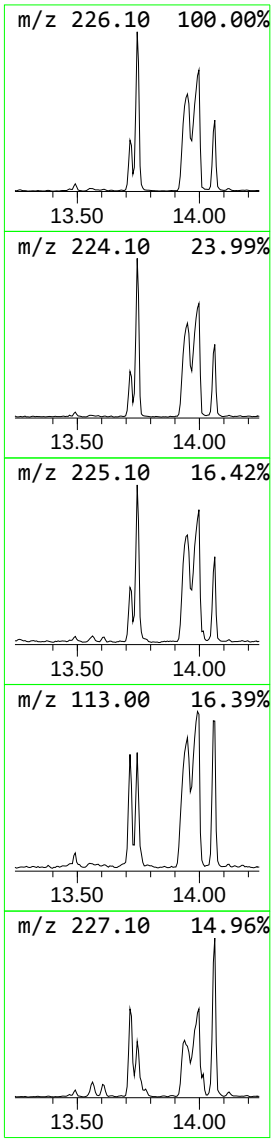
Peak Number 12 Cyclopenta[cd]pyrene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.745	6.35 ng	3021500	Chrysene-d12	13.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	93
2	4-Naphthalen-2-yl-thiazol-2-ylamine	226	C13H10N2S	1000300-53-4	53
3	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	49
4	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	42
5	9H-Xanthen-9-one, 3-methoxy-	226	C14H10O3	003722-52-9	40





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ClientSampleId :
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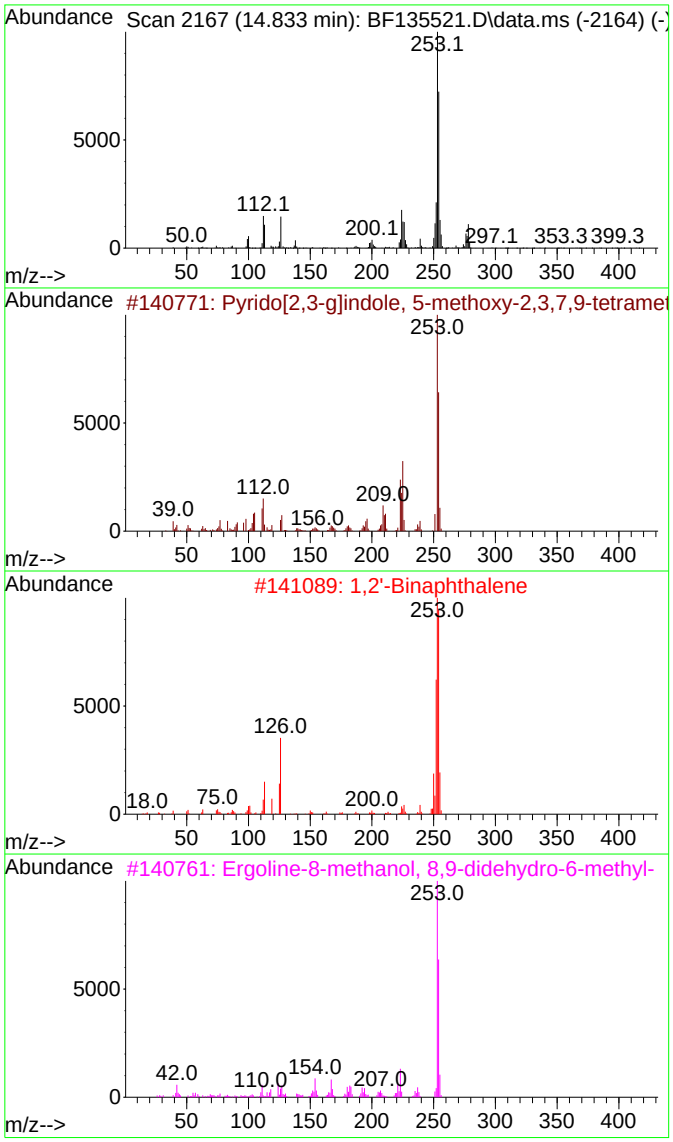
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

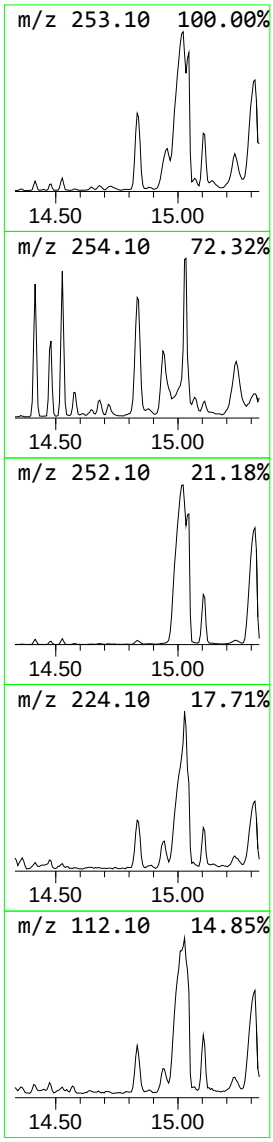
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Pyrido[2,3-g]indole, 5-meth... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.833	50.29 ng	1037090	Perylene-d12	15.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrido[2,3-g]indole, 5-methoxy-2...	254	C16H18N2O	201991-45-9	64
2	1,2'-Binaphthalene	254	C20H14	004325-74-0	62
3	Ergoline-8-methanol, 8,9-didehyd...	254	C16H18N2O	000548-43-6	58
4	1,2-Dihydro-3-phenyl-2-thioxo-4(...	254	C14H10N2OS	018741-24-7	53
5	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	53





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Instrument :
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ClientSampleId :
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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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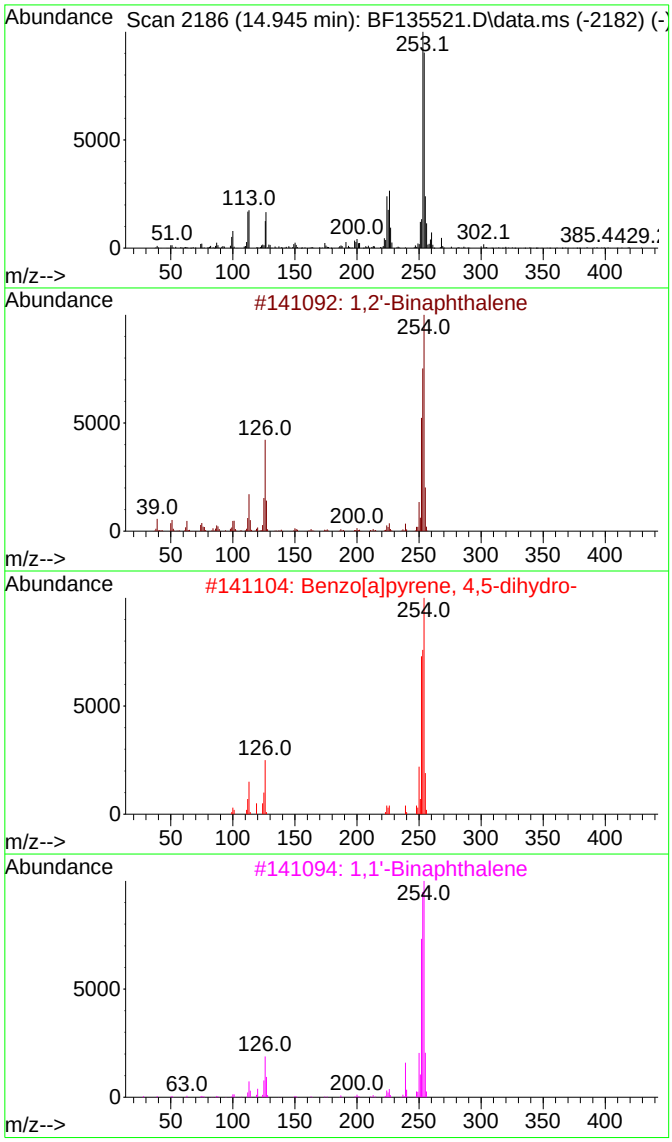
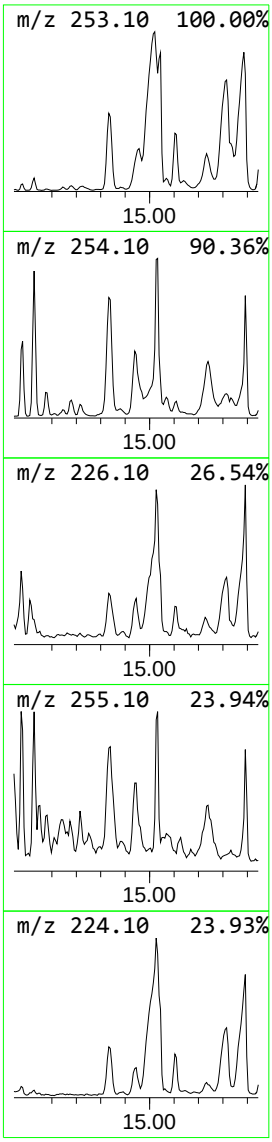
Peak Number 14 1,2'-Binaphthalene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.945	30.87 ng	636560	Perylene-d12	15.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2'-Binaphthalene	254	C20H14	004325-74-0	64
2	Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	64
3	1,1'-Binaphthalene	254	C20H14	000604-53-5	64
4	Pyrido[2,3-g]indole, 5-methoxy-2...	254	C16H18N2O	201991-45-9	59
5	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	59





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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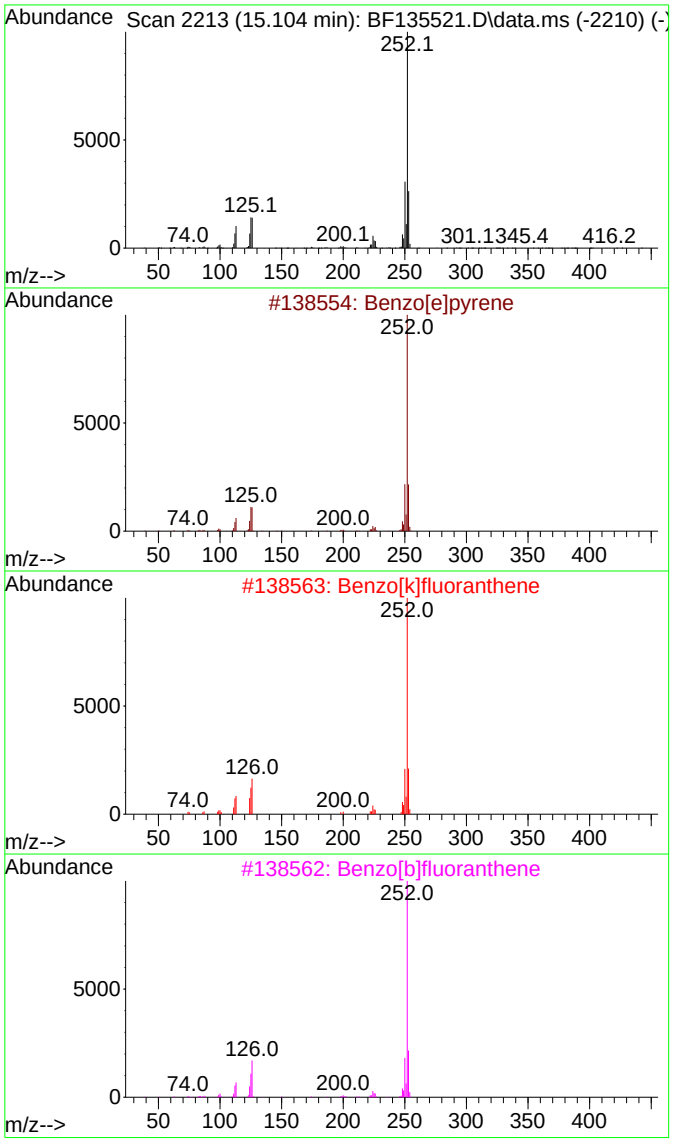
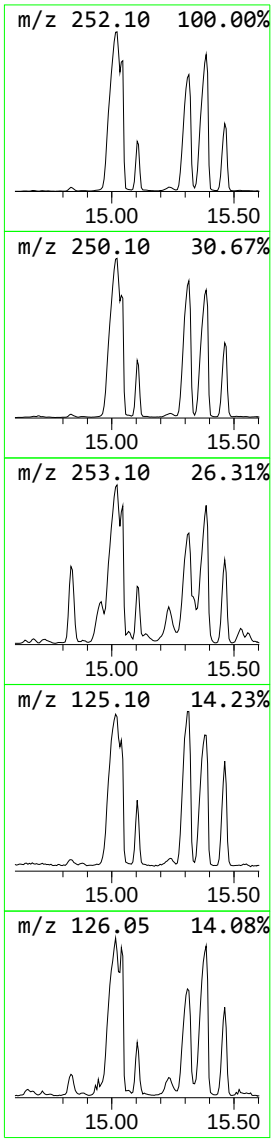
Peak Number 15 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.104	67.70 ng	1396180	Perylene-d12	15.427

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	Benzo[b]fluoranthene	252	C20H12	000205-99-2	96
4	Perylene	252	C20H12	000198-55-0	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	90





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ClientSampleId :
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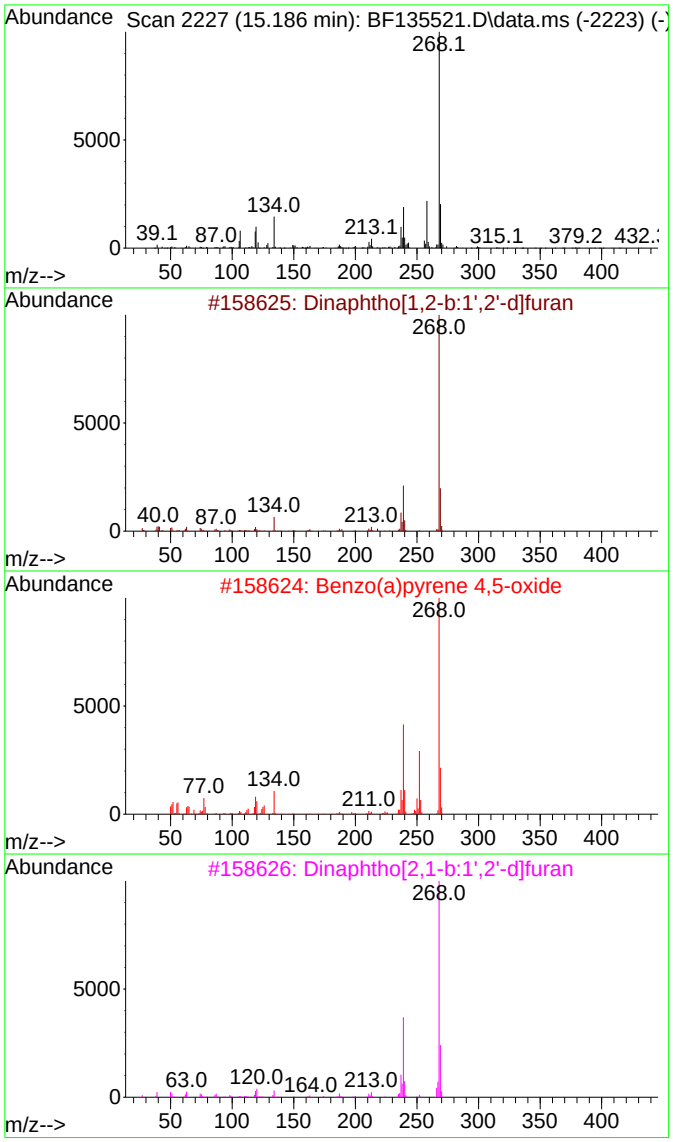
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

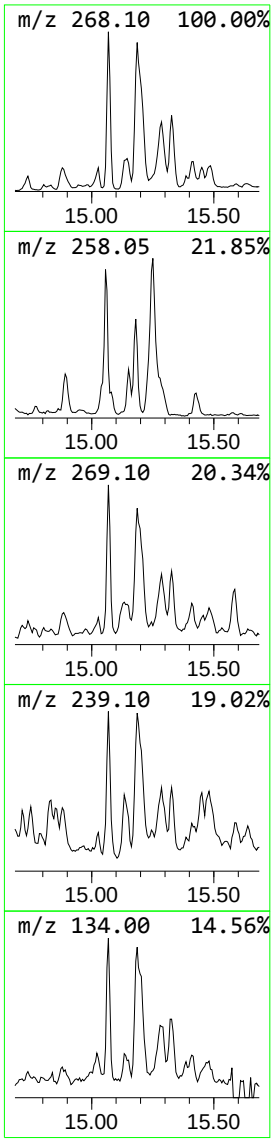
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.186	41.74 ng	860827	Perylene-d12	15.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	90
2	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	72
3	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	68
4	Disperse Blue 1	268	C14H12N4O2	002475-45-8	53
5	9,10-Anthracenedione, 1,5-dimeth...	268	C16H12O4	006448-90-4	53





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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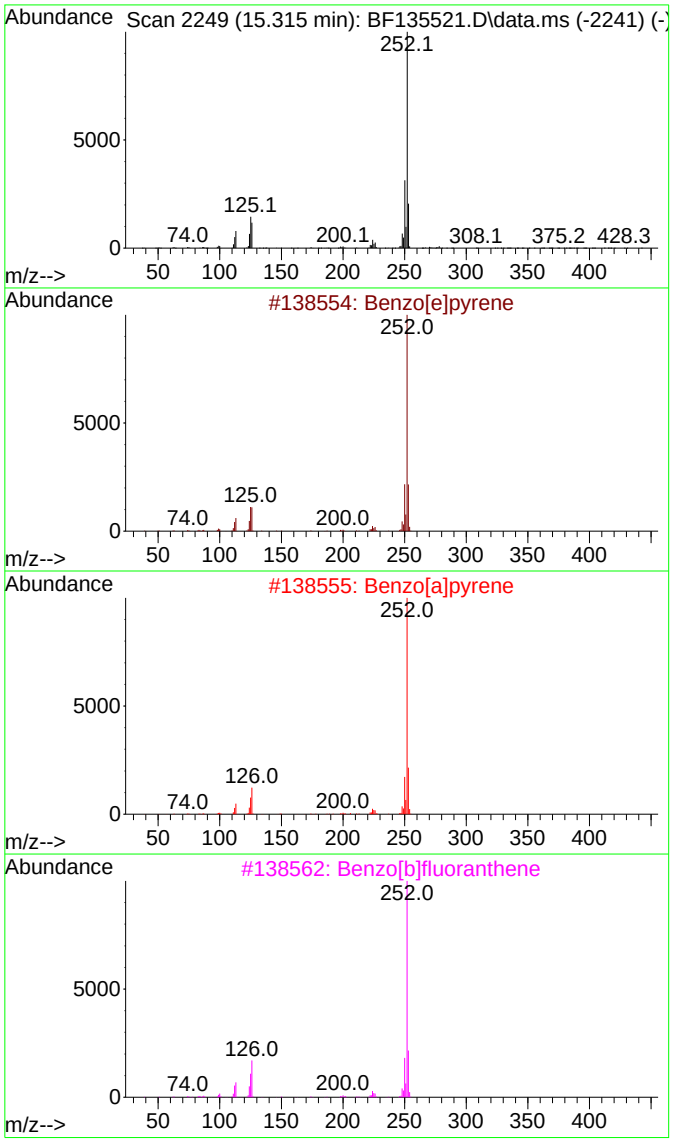
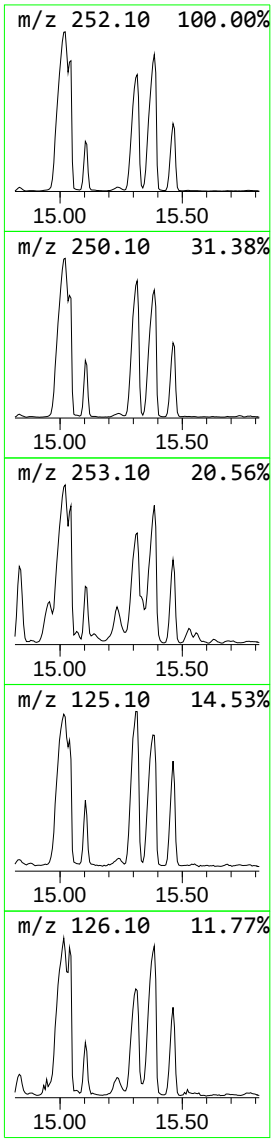
Peak Number 17 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.315	298.09 ng	6147650	Perylene-d12	15.427

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





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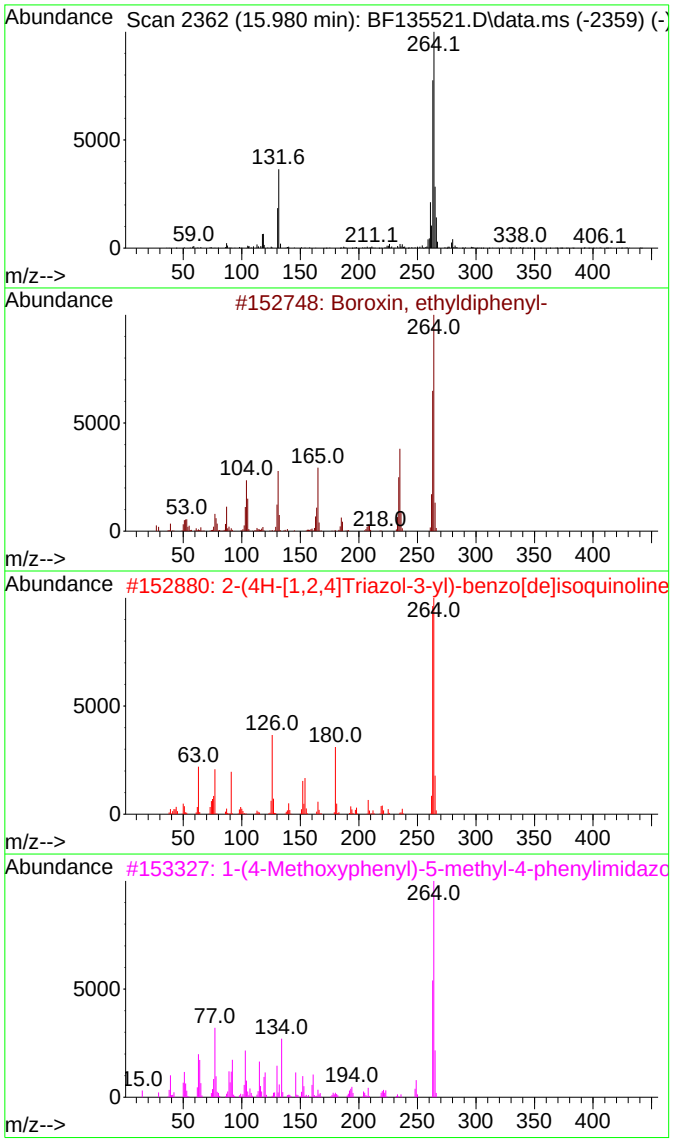
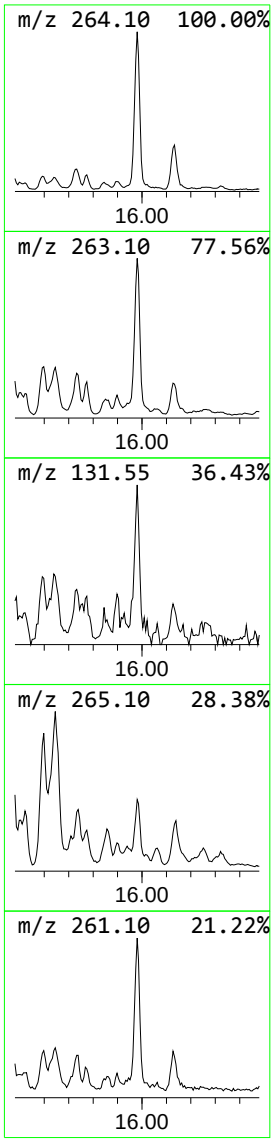
Peak Number 18 Boroxin, ethyldiphenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.980	24.41 ng	503342	Perylene-d12	15.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Boroxin, ethyldiphenyl-	264	C14H15B3O3	1000151-82-0	59
2	2-(4H-[1,2,4]Triazol-3-yl)-benzo...	264	C14H8N4O2	1000318-09-6	53
3	1-(4-Methoxyphenyl)-5-methyl-4-p...	264	C17H16N2O	1000436-38-1	42
4	Allyl(2,3-dihydro-1H-benzo[4,5]i...	264	C16H16N4	1000322-09-2	42
5	1H-Isoindole-1,3(2H)-dione, 2-(2...	263	C17H13NO2	016307-59-8	38





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Acq On : 29 Sep 2023 17:46
Operator : CG\JU
Sample : 04637-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

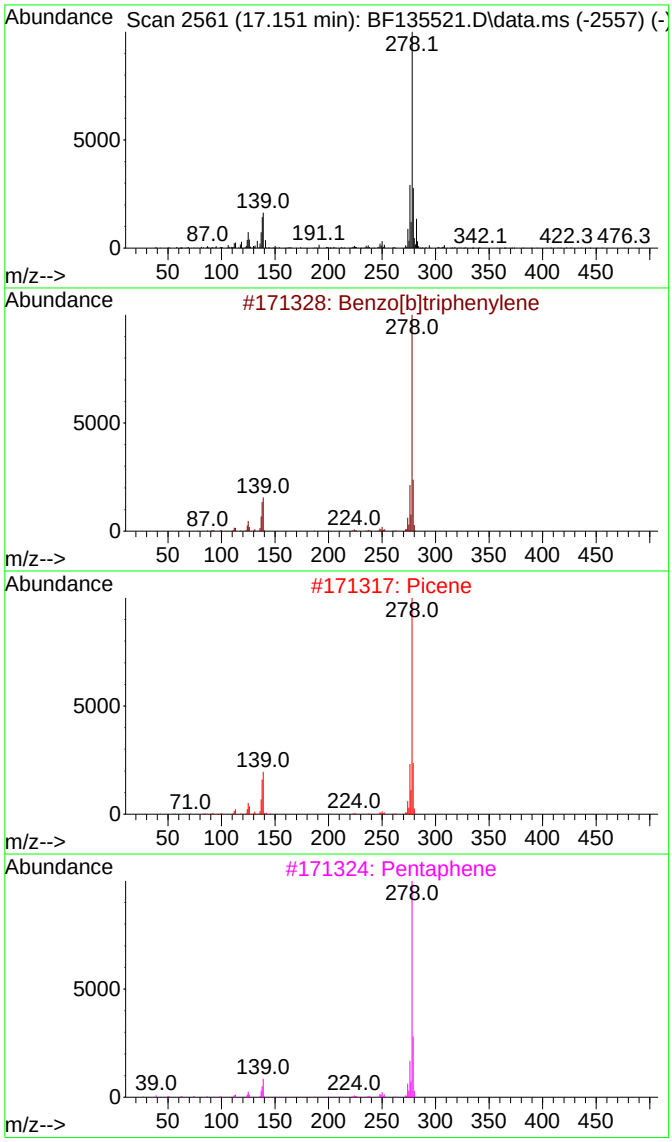
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

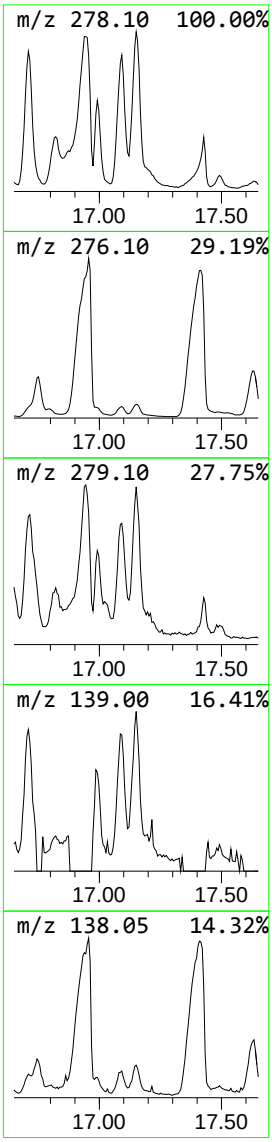
****

Peak Number 19 Benzo[b]triphenylene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.151	67.61 ng	1394330	Perylene-d12	15.427

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	98
3	Pentaphene	278	C22H14	000222-93-5	97
4	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	96
5	Benzo[b]chrysene	278	C22H14	000214-17-5	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092923\
Data File : BF135521.D
Acq On : 29 Sep 2023 17:46
Operator : CG\JU
Sample : 04637-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-1

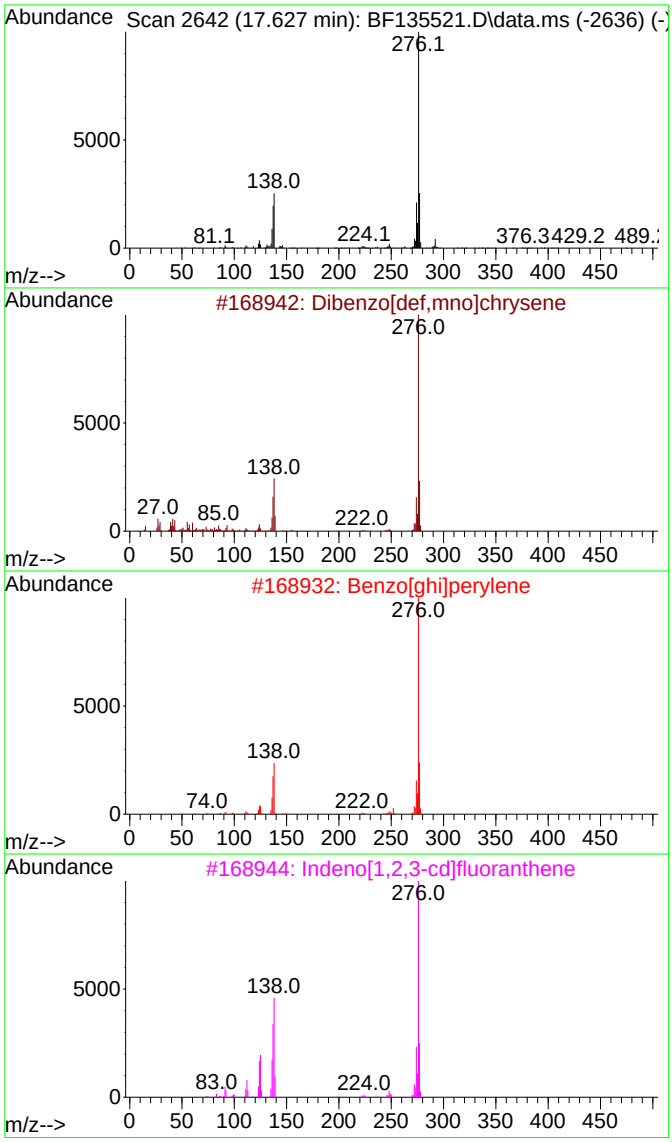
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

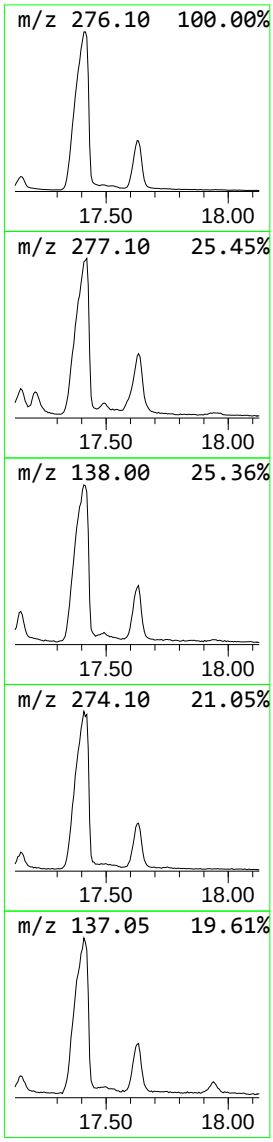
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.627	99.98 ng	2062050	Perylene-d12	15.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	96
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	95
3	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	74
4	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	72
5	1-Fluoro-4-[1,3,3,3-tetrafluoro-...	276	C10H4F8	1000389-53-4	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092923\
Data File : BF135521.D
Acq On : 29 Sep 2023 17:46
Operator : CG\JU
Sample : 04637-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.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
9H-Fluoren-9-one	11.086	9.9	ng	318559	4	11.280	640908	20.0
Dibenzothiophene	11.169	21.2	ng	680443	4	11.280	640908	20.0
Phenanthrene, 2...	11.780	24.4	ng	782268	4	11.280	640908	20.0
Phenanthrene, 1...	11.816	55.0	ng	1764250	4	11.280	640908	20.0
4H-Cyclopenta[d...	11.898	60.5	ng	1938270	4	11.280	640908	20.0
Naphthalene, 2-...	12.080	32.1	ng	1030140	4	11.280	640908	20.0
9,10-Anthracene...	12.121	72.7	ng	2330550	4	11.280	640908	20.0
Phenanthrene, 2...	12.339	15.4	ng	492109	4	11.280	640908	20.0
11H-Benzo[a]flu...	13.074	5.3	ng	2500000	5	13.963	9521990	20.0
Benzo[b]naphtho...	13.692	5.6	ng	2685730	5	13.963	9521990	20.0
Cyclopenta[cd]p...	13.745	6.3	ng	3021500	5	13.963	9521990	20.0
Pyrido[2,3-g]in...	14.833	50.3	ng	1037090	6	15.427	412474	20.0
1,2'-Binaphthalene	14.945	30.9	ng	636560	6	15.427	412474	20.0
Benzo[e]pyrene	15.104	67.7	ng	1396180	6	15.427	412474	20.0
Dinaphtho[1,2-b...	15.186	41.7	ng	860827	6	15.427	412474	20.0
Perylene	15.315	298.1	ng	6147650	6	15.427	412474	20.0
Boroxin, ethyld...	15.980	24.4	ng	503342	6	15.427	412474	20.0
Benzo[b]triphen...	17.151	67.6	ng	1394330	6	15.427	412474	20.0
Dibenzo[def,mno...	17.627	100.0	ng	2062050	6	15.427	412474	20.0