LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081123\
Data File : BF134728.D
Acq On : 11 Aug 2023 12:29
Operator : CG\JU
Sample : 03954-13DL 50X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-19DL

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % 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-BF080123.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF134728.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.798	797	801	805	rBV	1148385	907022	30.21%	2.708%
2	8.075	1015	1018	1020	rBV	1345191	1139305	37.94%	3.401%
3	8.098	1020	1022	1025	rVV	1062896	779300	25.95%	2.327%
4	8.786	1136	1139	1147	rBV	306861	285864	9.52%	0.853%
5	8.886	1152	1156	1166	rVB	236688	206151	6.87%	0.615%
6	9.151	1198	1201	1206	rVB	64944	50171	1.67%	0.150%
7	9.251	1210	1218	1224	rBV	82971	79459	2.65%	0.237%
8	9.351	1231	1235	1241	rVB	47288	56872	1.89%	0.170%
9	9.416	1241	1246	1250	rBV2	78785	111907	3.73%	0.334%
10	9.492	1255	1259	1261	rBV	141011	147891	4.93%	0.442%
11	9.516	1261	1263	1268	rVB	101033	84745	2.82%	0.253%
12	9.610	1276	1279	1284	rVB	68090	78505	2.61%	0.234%
13	9.692	1290	1293	1296	rVB	90097	74292	2.47%	0.222%
14	9.833	1311	1317	1320	rBV	1235418	1147728	38.22%	3.427%
15	9.863	1320	1322	1326	rVB	611323	482551	16.07%	1.441%
16	9.986	1339	1343	1346	rVV2	61814	64102	2.13%	0.191%
17	10.033	1348	1351	1355	rVV	392294	368522	12.27%	1.100%
18	10.075	1355	1358	1362	rVB	54231	47130	1.57%	0.141%
19	10.239	1382	1386	1388	rBV	42881	53032	1.77%	0.158%
20	10.380	1406	1410	1416	rBV	637522	526873	17.55%	1.573%
21	10.445	1419	1421	1423	rVV	83520	70796	2.36%	0.211%
22	10.469	1423	1425	1427	rVB	82980	63541	2.12%	0.190%
23	10.539	1434	1437	1441	rVB	113311	113336	3.77%	0.338%
24	10.616	1447	1450	1455	rVB	129298	150469	5.01%	0.449%
25	10.745	1467	1472	1479	rVB4	41946	59455	1.98%	0.178%
26	10.927	1497	1503	1506	rBV3	106750	158535	5.28%	0.473%
27	10.957	1506	1508	1511	rVV2	79284	72704	2.42%	0.217%
28	11.010	1514	1517	1520	rVB2	54266	59237	1.97%	0.177%
29	11.057	1520	1525	1527	rBV3	47301	71227	2.37%	0.213%
30	11.080	1527	1529	1531	rVV2	64224	57062	1.90%	0.170%
31	11.127	1534	1537	1541	rVV	109320	105530	3.51%	0.315%
32	11.180	1541	1546	1549	rVV2	78202	115486	3.85%	0.345%
33	11.216	1549	1552	1558	rVB	244536	211089	7.03%	0.630%
34	11.321	1566	1570	1572	rBV	1085207	996881	33.20%	2.976%
35	11.351	1572	1575	1578	rVV	3273443	3002578	100.00%	8.964%
36	11.398	1578	1583	1586	rVV	885723	756338	25.19%	2.258%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081123\
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Acq On : 11 Aug 2023 12:29
Operator : CG\JU
Sample : 03954-13DL 50X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-19DL

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % 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-BF080123.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.427	1586	1588	1592	rVB2	63944	65171	2.17%	0.195%
38	11.551	1603	1609	1612	rBV	315144	323422	10.77%	0.966%
39	11.621	1618	1621	1624	rBV2	67187	57947	1.93%	0.173%
40	11.651	1624	1626	1632	rVB2	72003	68431	2.28%	0.204%
41	11.733	1638	1640	1645	rVB	44237	47931	1.60%	0.143%
42	11.821	1650	1655	1658	rBV	386670	385465	12.84%	1.151%
43	11.851	1658	1660	1664	rVB	559824	448825	14.95%	1.340%
44	11.898	1664	1668	1671	rBV	192039	164624	5.48%	0.491%
45	11.933	1671	1674	1677	rBV	605791	646120	21.52%	1.929%
46	11.957	1677	1678	1683	rVB	299169	207065	6.90%	0.618%
47	12.121	1703	1706	1708	rBV	275655	211978	7.06%	0.633%
48	12.145	1708	1710	1713	rVB	182197	145556	4.85%	0.435%
49	12.268	1729	1731	1734	rVB	88378	75830	2.53%	0.226%
50	12.304	1734	1737	1739	rBV	63920	59116	1.97%	0.176%
51	12.327	1739	1741	1743	rVB	63000	48448	1.61%	0.145%
52	12.374	1745	1749	1752	rBV	203116	215996	7.19%	0.645%
53	12.410	1752	1755	1758	rVV	119387	160440	5.34%	0.479%
54	12.463	1761	1764	1769	rBV2	119913	156518	5.21%	0.467%
55	12.539	1773	1777	1780	rBV	3118110	2655084	88.43%	7.927%
56	12.598	1782	1787	1791	rBV2	60042	94885	3.16%	0.283%
57	12.668	1795	1799	1800	rBV2	56121	63705	2.12%	0.190%
58	12.686	1800	1802	1806	rVB	97058	93934	3.13%	0.280%
59	12.768	1810	1816	1819	rBV	2688451	2809928	93.58%	8.389%
60	12.816	1822	1824	1829	rVB2	118431	142664	4.75%	0.426%
61	12.886	1832	1836	1838	rBV	140455	124129	4.13%	0.371%
62	12.921	1838	1842	1847	rVB2	143459	203158	6.77%	0.607%
63	12.986	1847	1853	1856	rBV2	172032	277976	9.26%	0.830%
64	13.074	1864	1868	1869	rVV2	122231	141577	4.72%	0.423%
65	13.092	1869	1871	1875	rVB	346462	345163	11.50%	1.030%
66	13.163	1880	1883	1886	rBV	312566	254674	8.48%	0.760%
67	13.198	1886	1889	1892	rVV	265225	249125	8.30%	0.744%
68	13.227	1892	1894	1897	rVB	59899	56181	1.87%	0.168%
69	13.292	1902	1905	1908	rBV	148160	124909	4.16%	0.373%
70	13.321	1908	1910	1914	rBV	175863	152339	5.07%	0.455%
71	13.404	1921	1924	1929	rVB6	30702	51592	1.72%	0.154%
72	13.498	1933	1940	1942	rVV4	61199	99627	3.32%	0.297%
73	13.521	1942	1944	1947	rVV	53983	62583	2.08%	0.187%
74	13.604	1955	1958	1963	rVB	134340	152068	5.06%	0.454%
75	13.715	1972	1977	1980	rBV2	188543	239763	7.99%	0.716%
76	13.745	1980	1982	1984	rVV	233864	195171	6.50%	0.583%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081123\
Data File : BF134728.D
Acq On : 11 Aug 2023 12:29
Operator : CG\JU
Sample : 03954-13DL 50X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-19DL

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.768	1984	1986	1987	rVV	145571	127345	4.24%	0.380%
78	13.815	1991	1994	2001	rVB	132873	161173	5.37%	0.481%
79	13.886	2002	2006	2009	rBV	48926	61377	2.04%	0.183%
80	13.962	2012	2019	2023	rBV2	1512717	2351516	78.32%	7.020%
81	13.998	2023	2025	2030	rVB	1055434	895359	29.82%	2.673%
82	14.074	2035	2038	2041	rVB	160109	126573	4.22%	0.378%
83	14.198	2054	2059	2062	rVB2	72003	98748	3.29%	0.295%
84	14.292	2071	2075	2077	rBV3	40024	49287	1.64%	0.147%
85	14.321	2077	2080	2082	rVV	69937	70537	2.35%	0.211%
86	14.357	2082	2086	2089	rVV	225226	260332	8.67%	0.777%
87	14.392	2089	2092	2096	rVV	127909	147262	4.90%	0.440%
88	14.451	2096	2102	2104	rVV3	127499	194713	6.48%	0.581%
89	14.480	2104	2107	2109	rVV2	117300	126434	4.21%	0.377%
90	14.504	2109	2111	2114	rVV2	106918	110367	3.68%	0.330%
91	14.557	2118	2120	2126	rVB2	61283	67451	2.25%	0.201%
92	14.662	2135	2138	2141	rBV4	46682	56995	1.90%	0.170%
93	15.009	2192	2197	2200	rBV	641396	960985	32.01%	2.869%
94	15.115	2212	2215	2219	rVB	127388	130514	4.35%	0.390%
95	15.309	2244	2248	2255	rVB	352757	458001	15.25%	1.367%
96	15.374	2255	2259	2265	rBV	536097	626530	20.87%	1.871%
97	15.439	2265	2270	2273	rVV	584826	708072	23.58%	2.114%
98	15.468	2273	2275	2283	rVB	154718	209863	6.99%	0.627%
99	16.921	2517	2522	2532	rVB2	168540	352355	11.74%	1.052%
100	17.374	2592	2599	2611	rBV	136985	308410	10.27%	0.921%

Sum of corrected areas: 33495003

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081123\
Data File : BF134728.D
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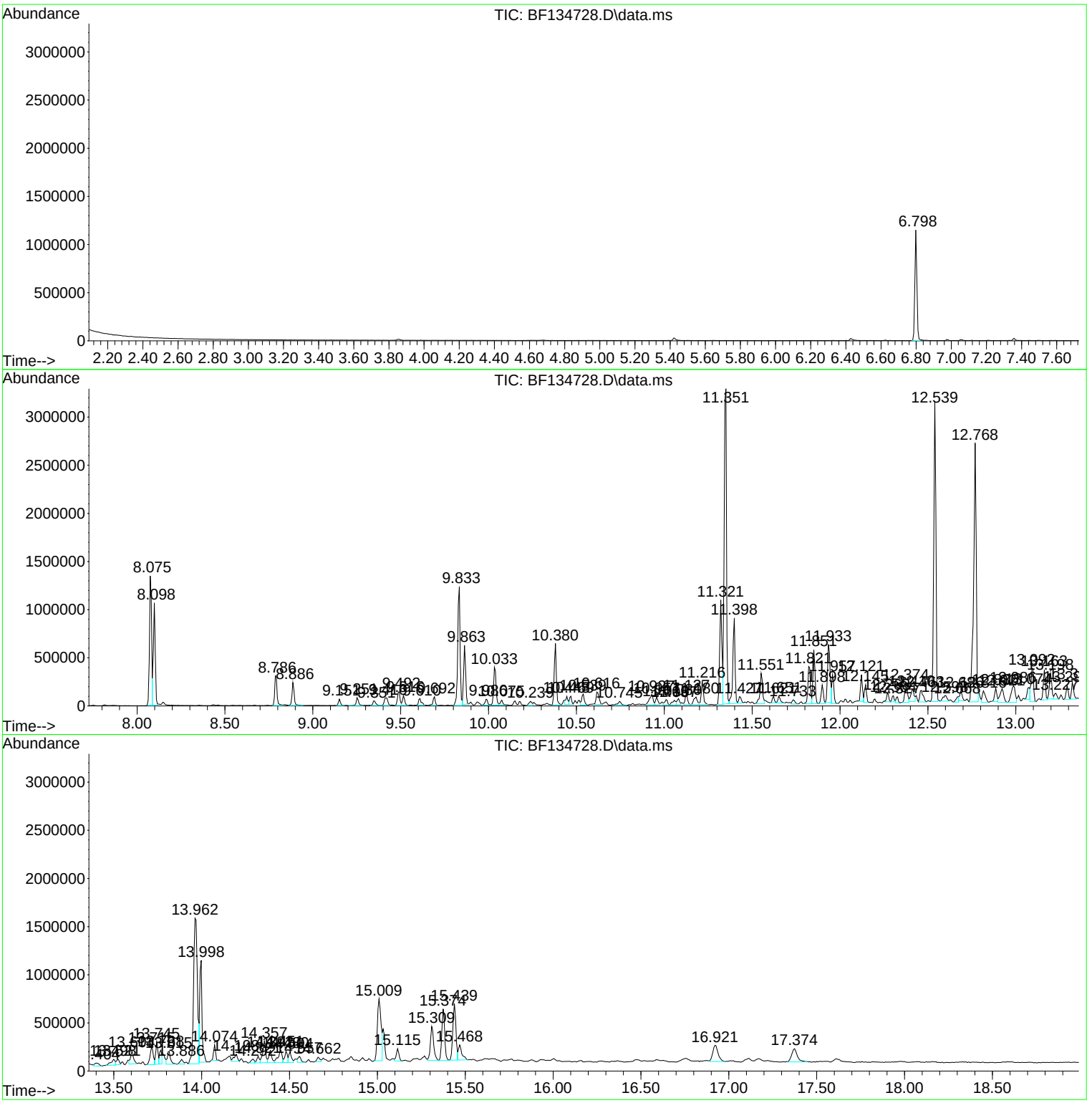
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-19DL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.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\BF081123\
Data File : BF134728.D
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Instrument :
BNA_F
ClientSampleId :
WC-19DL

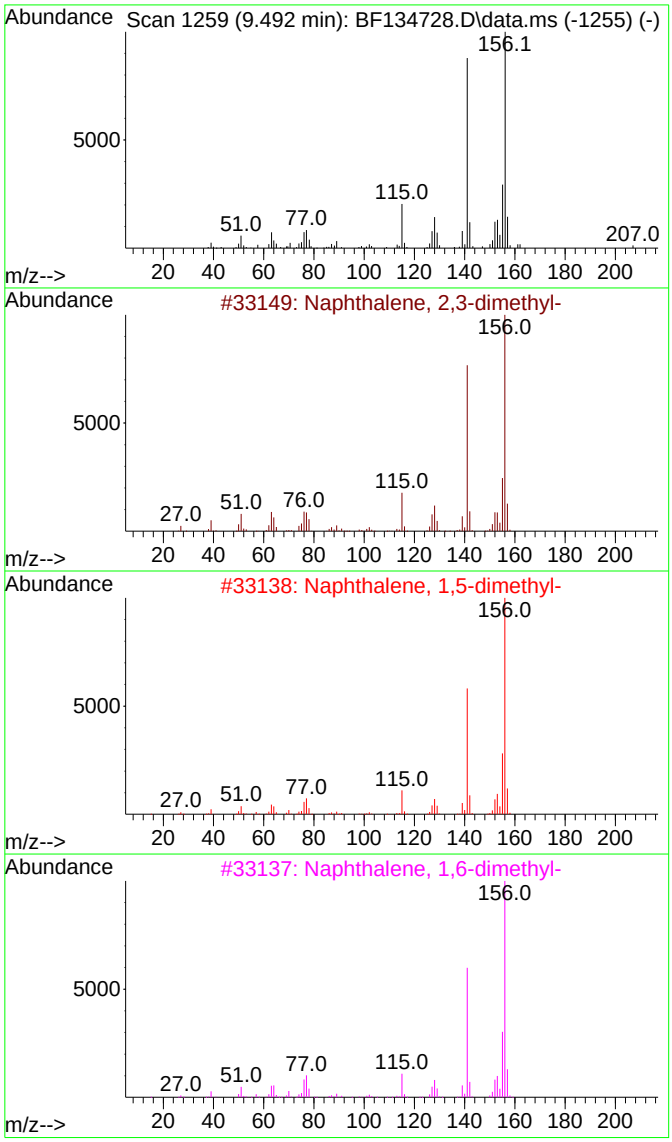
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

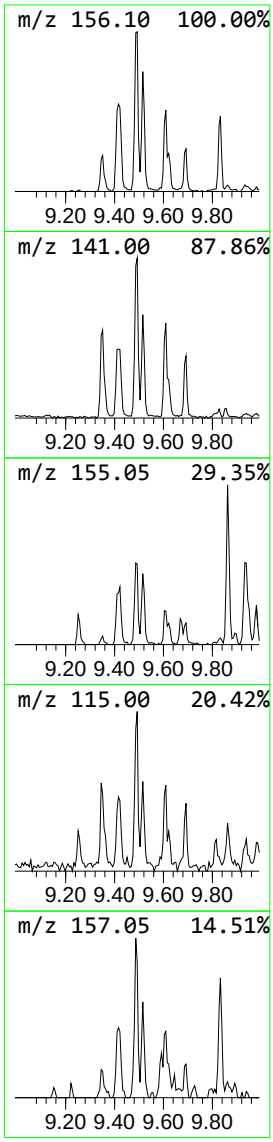
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Naphthalene, 2,3-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.492	2.58 ng	147891	Acenaphthene-d10	9.833

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081123\
Data File : BF134728.D
Acq On : 11 Aug 2023 12:29
Operator : CG\JU
Sample : 03954-13DL 50X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-19DL

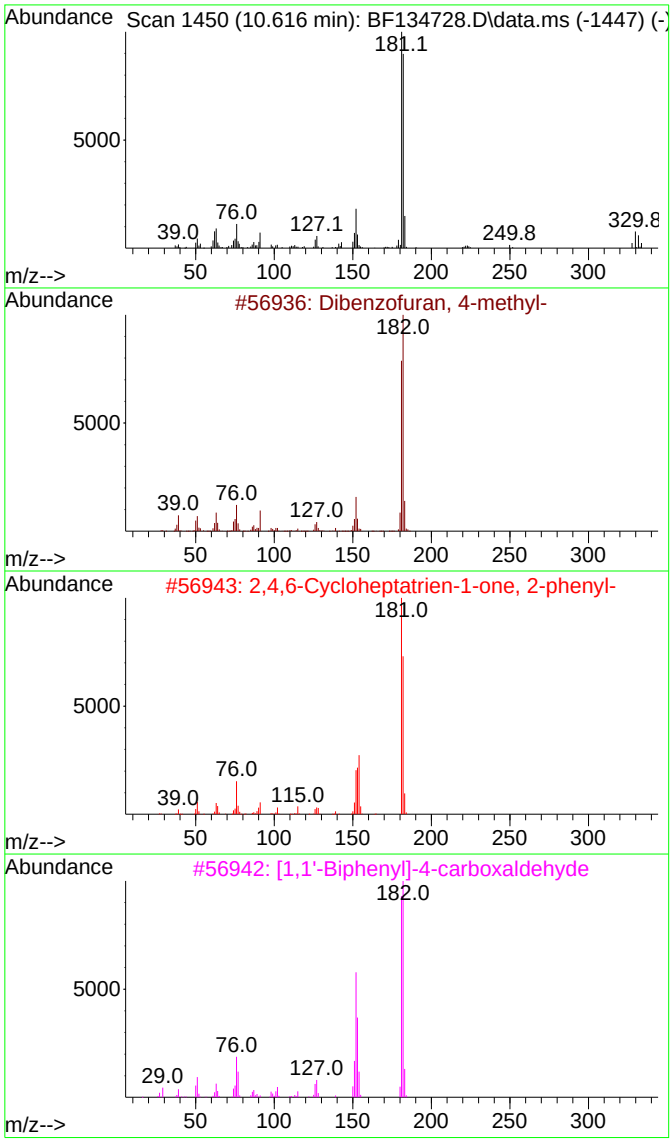
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

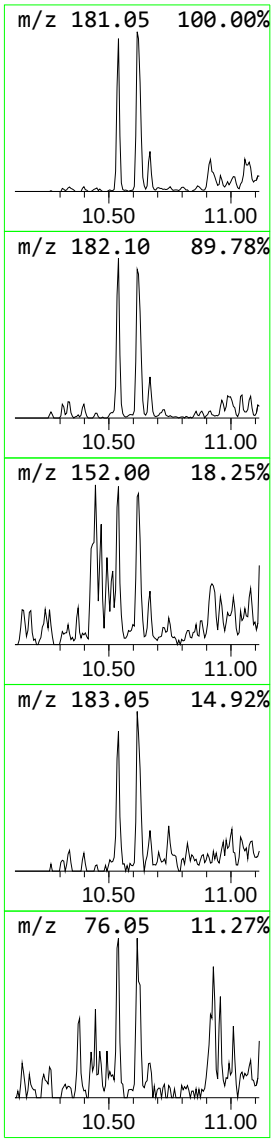
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Dibenzofuran, 4-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.616	3.02 ng	150469	Phenanthrene-d10	11.322

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	80
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
4	Pyrido[2,3-b]indole, 6-methyl-	182	C12H10N2	108349-67-3	72
5	Pyridine, 4,4'-(1,2-ethenediyl)bis-	182	C12H10N2	001135-32-6	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081123\
Data File : BF134728.D
Acq On : 11 Aug 2023 12:29
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ALS Vial : 10 Sample Multiplier: 1

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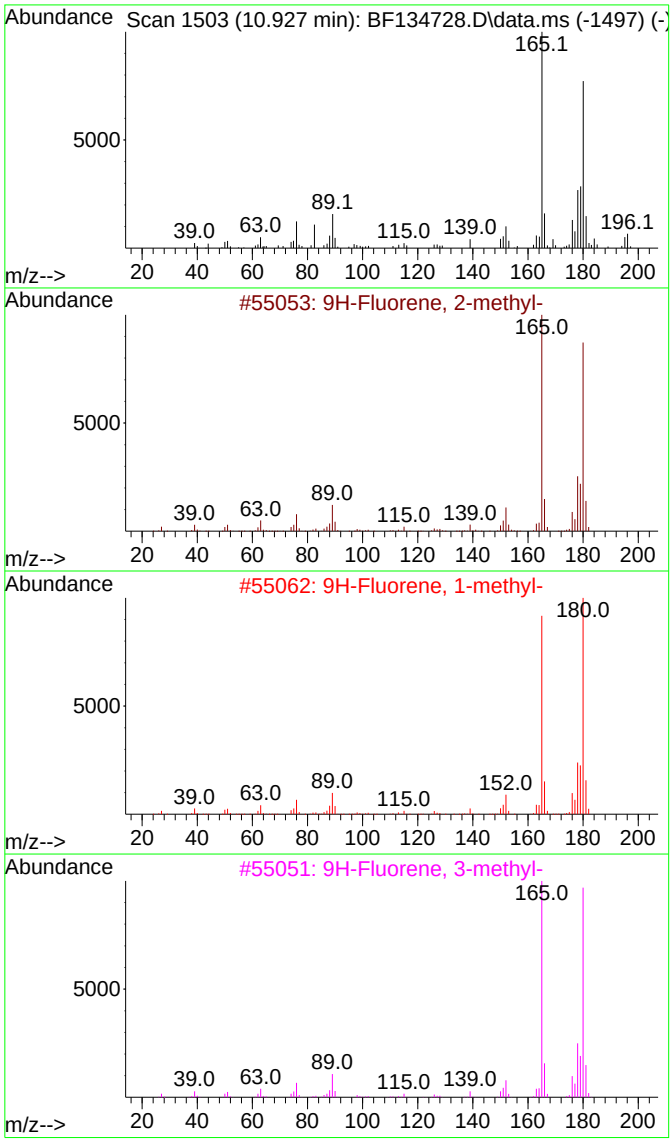
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

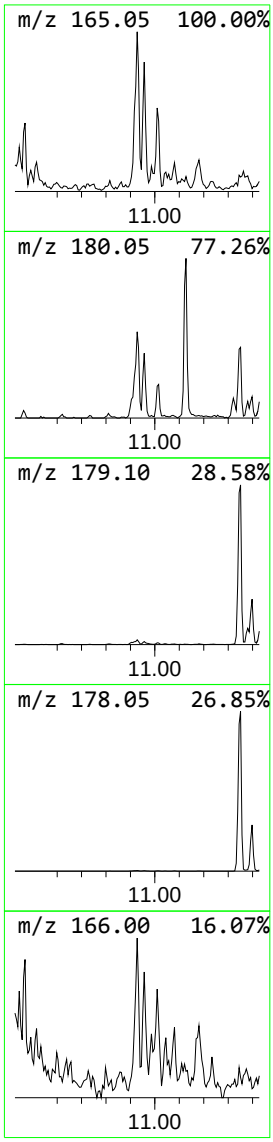
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 9H-Fluorene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.927	3.18 ng	158535	Phenanthrene-d10	11.322

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	98
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
4	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	93
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081123\
Data File : BF134728.D
Acq On : 11 Aug 2023 12:29
Operator : CG\JU
Sample : 03954-13DL 50X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-19DL

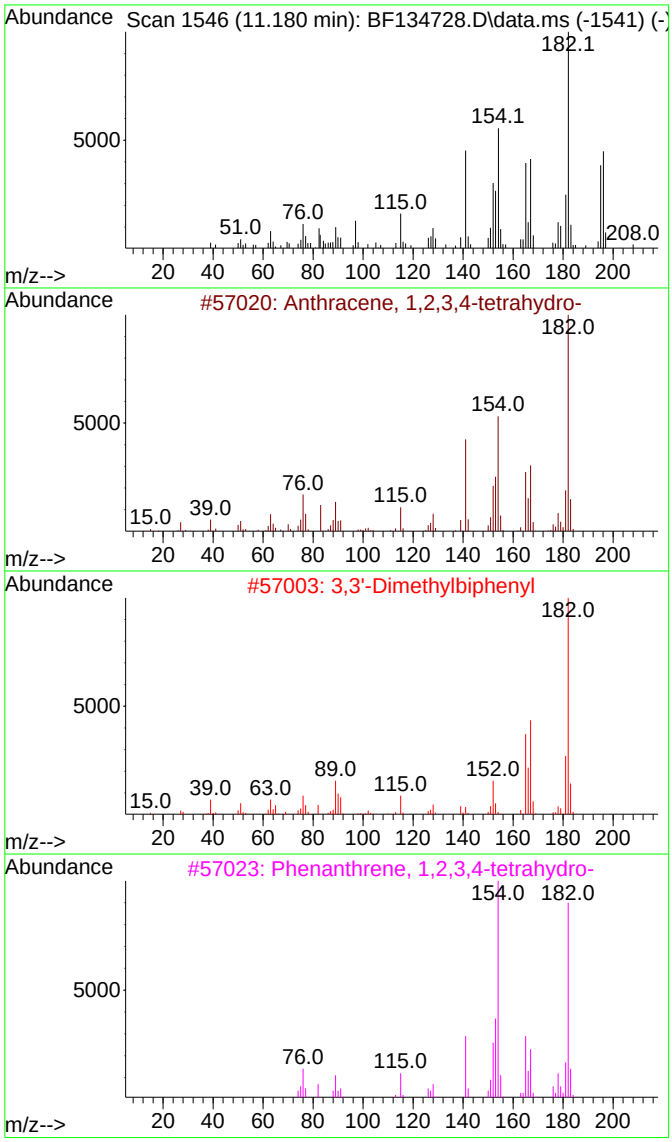
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

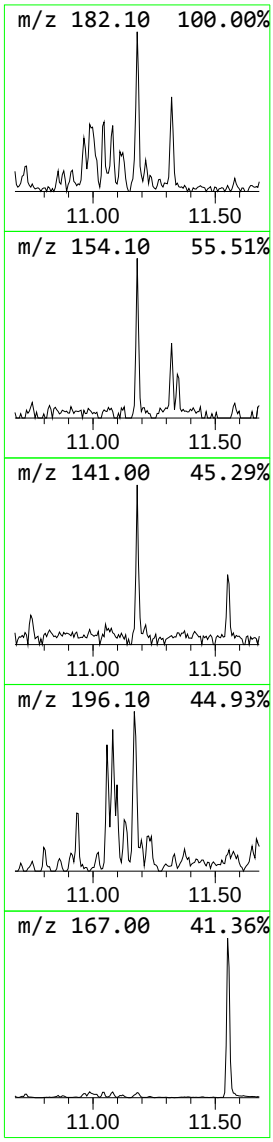
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.180	2.32 ng	115486	Phenanthrene-d10	11.322

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	93
2	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	50
3	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	50
4	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	46
5	Dehydrochamazulene	182	C14H14	321732-25-6	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081123\
Data File : BF134728.D
Acq On : 11 Aug 2023 12:29
Operator : CG\JU
Sample : 03954-13DL 50X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-19DL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

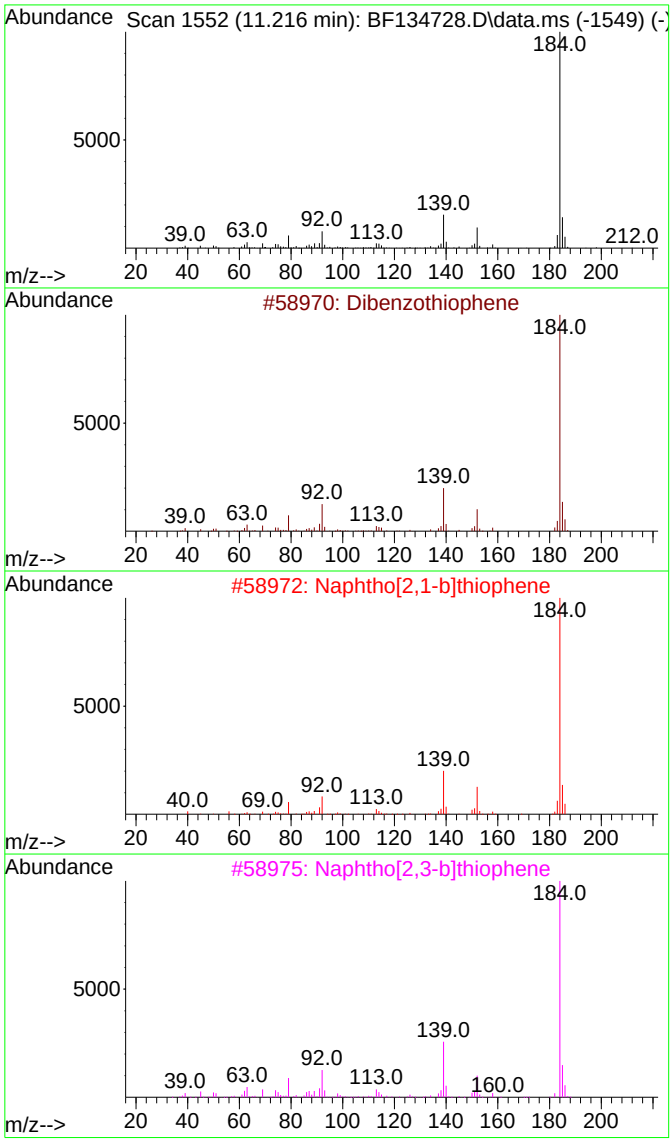
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

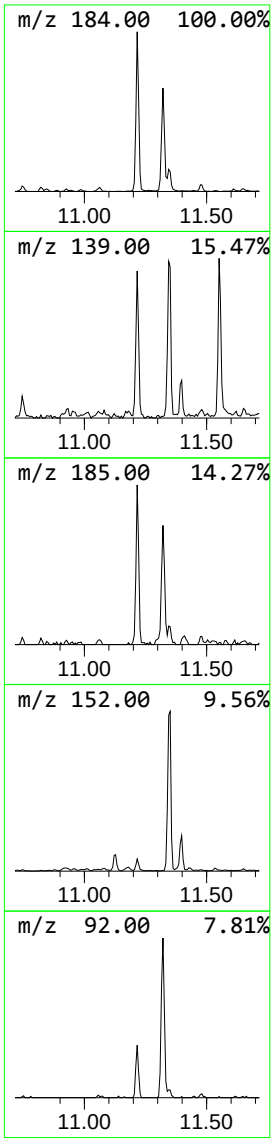
****

Peak Number 5 Dibenzothiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.216	4.23 ng	211089	Phenanthrene-d10	11.322

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	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	91





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Operator : CG\JU
Sample : 03954-13DL 50X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
WC-19DL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

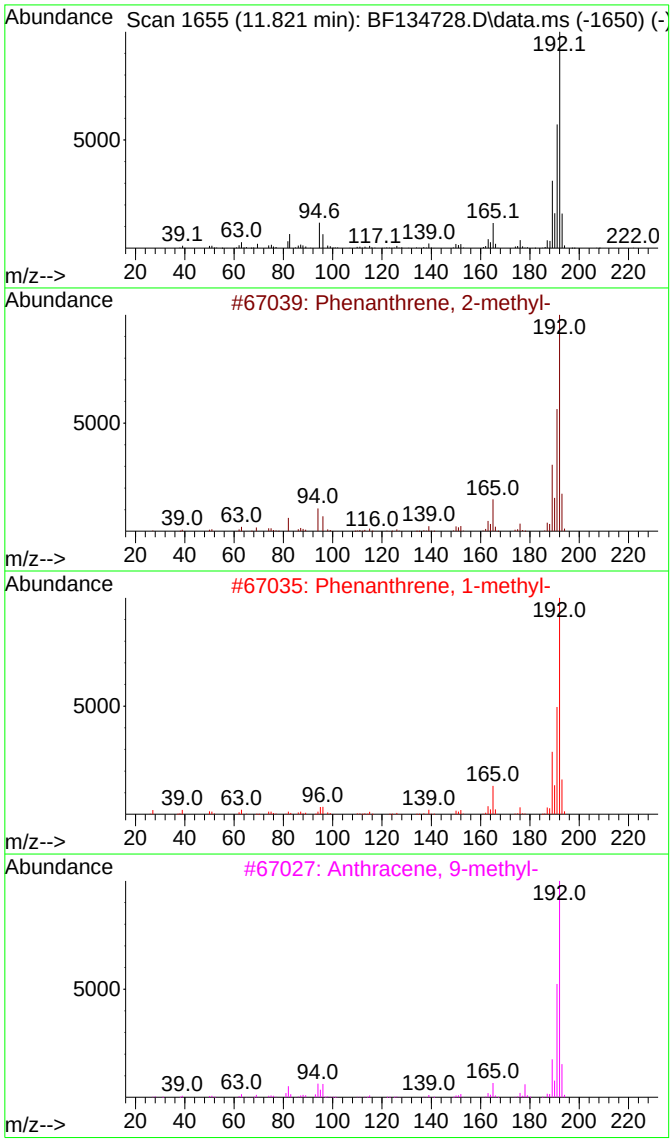
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

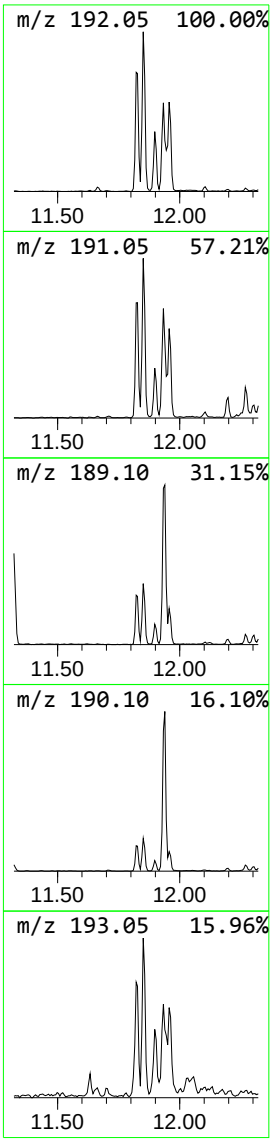
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.821	7.73 ng	385465	Phenanthrene-d10	11.322

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, 9-methyl-	192	C15H12	000779-02-2	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96





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Sample : 03954-13DL 50X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-19DL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

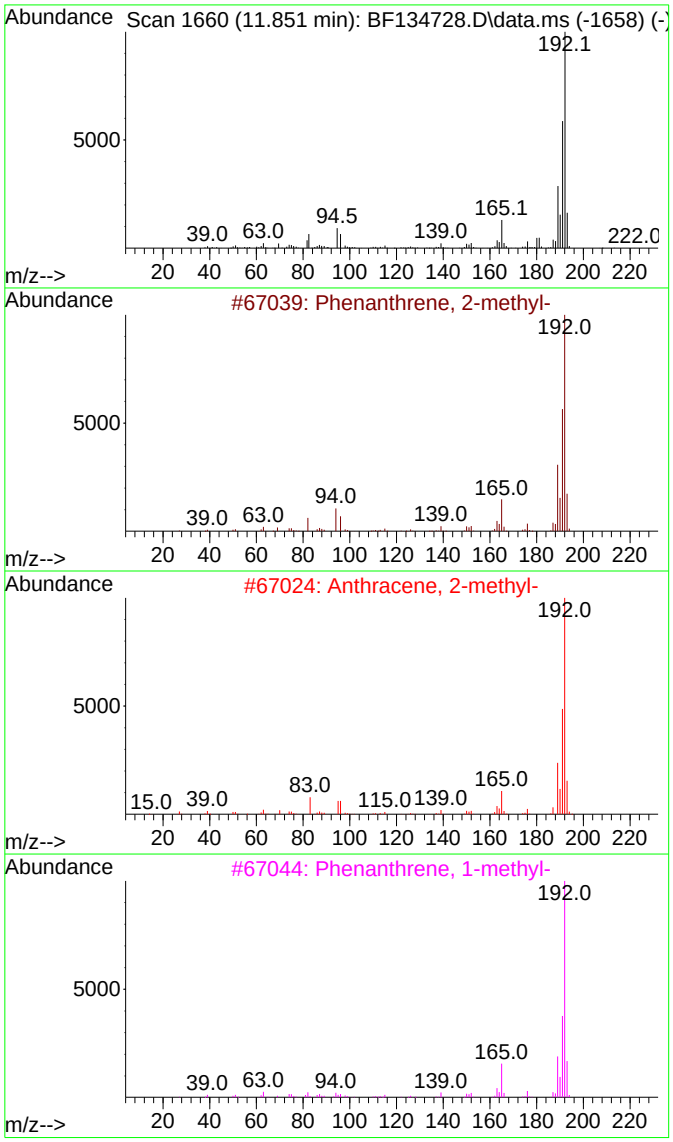
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

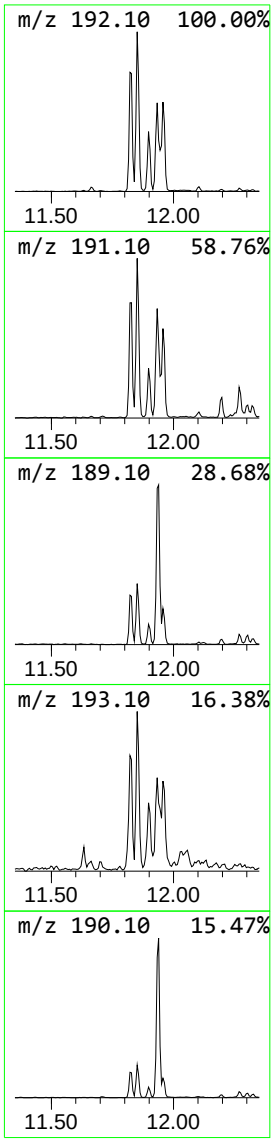
****

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.851	9.00 ng	448825	Phenanthrene-d10	11.322

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	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Misc :
ALS Vial : 10 Sample Multiplier: 1

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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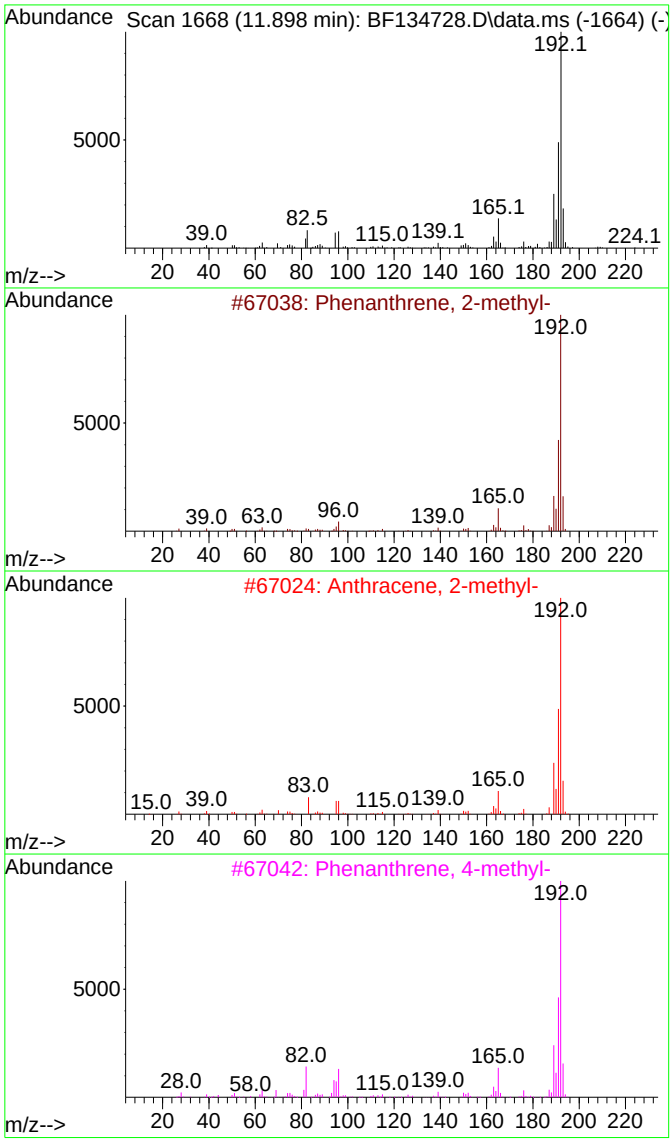
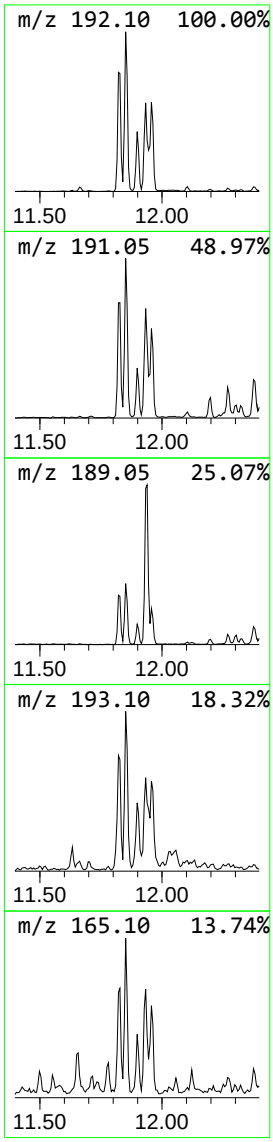
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.898	3.30 ng	164624	Phenanthrene-d10	11.322

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94





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Sample : 03954-13DL 50X
Misc :
ALS Vial : 10 Sample Multiplier: 1

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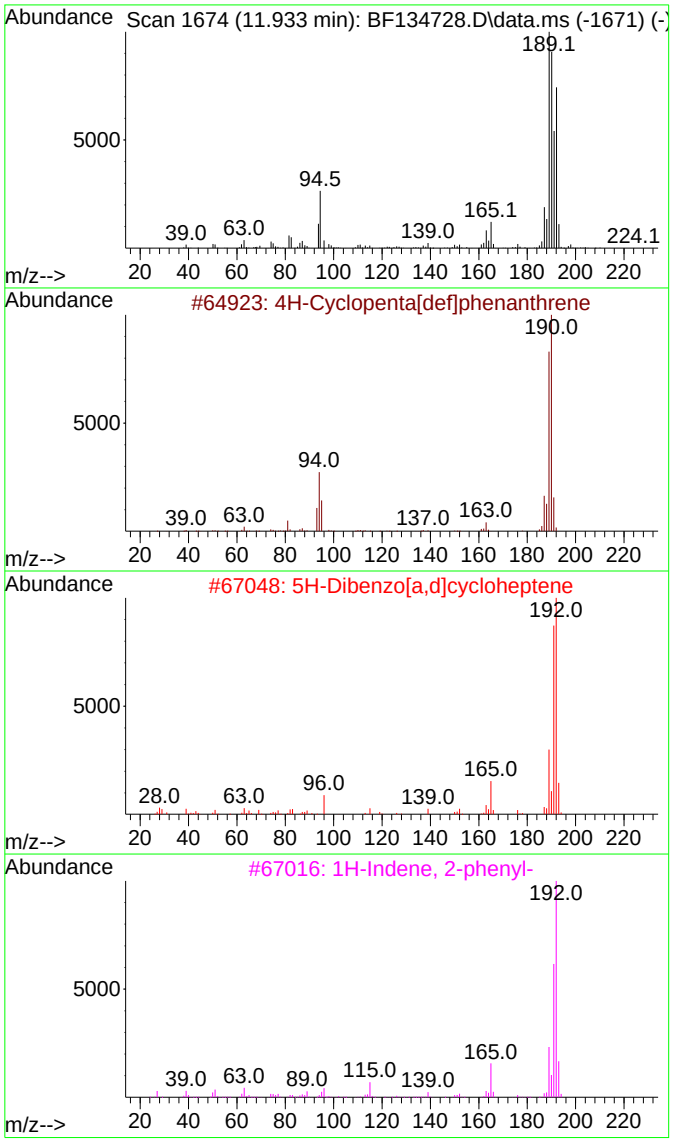
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

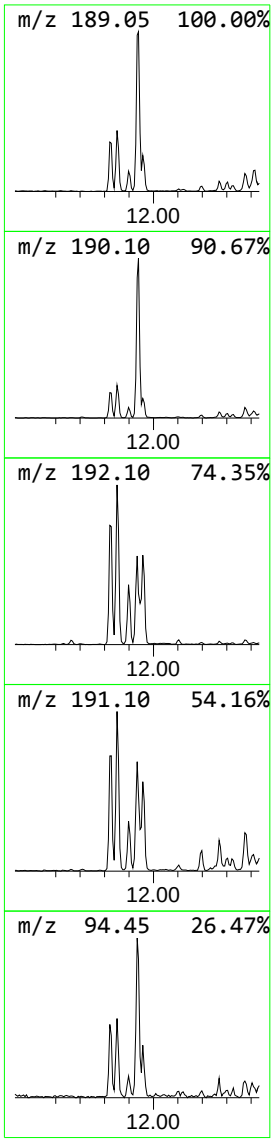
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.933	12.96 ng	646120	Phenanthrene-d10	11.322

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38
4	3-Bromo-2-furoic acid	190	C5H3BrO3	014903-90-3	38
5	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	35





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Misc :
ALS Vial : 10 Sample Multiplier: 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

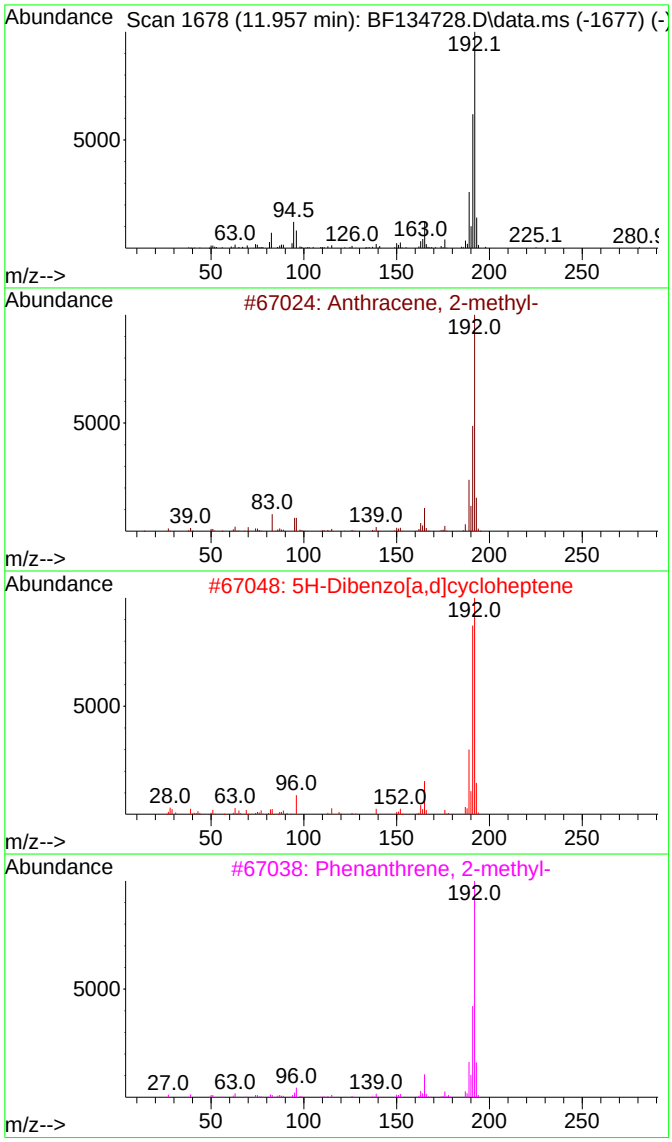
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

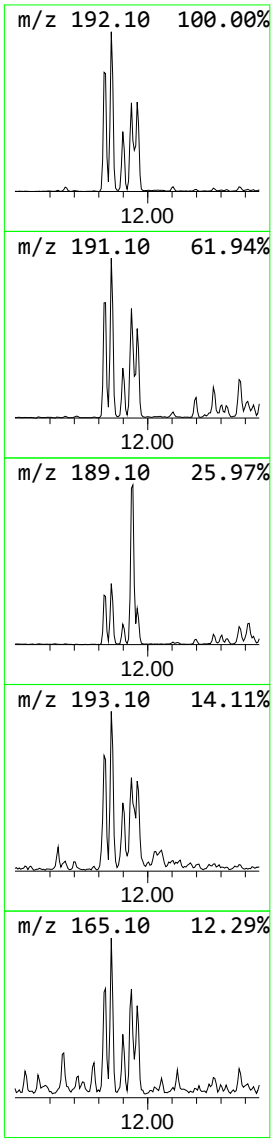
****

Peak Number 10 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.957	4.15 ng	207065	Phenanthrene-d10	11.322

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





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Sample : 03954-13DL 50X
Misc :
ALS Vial : 10 Sample Multiplier: 1

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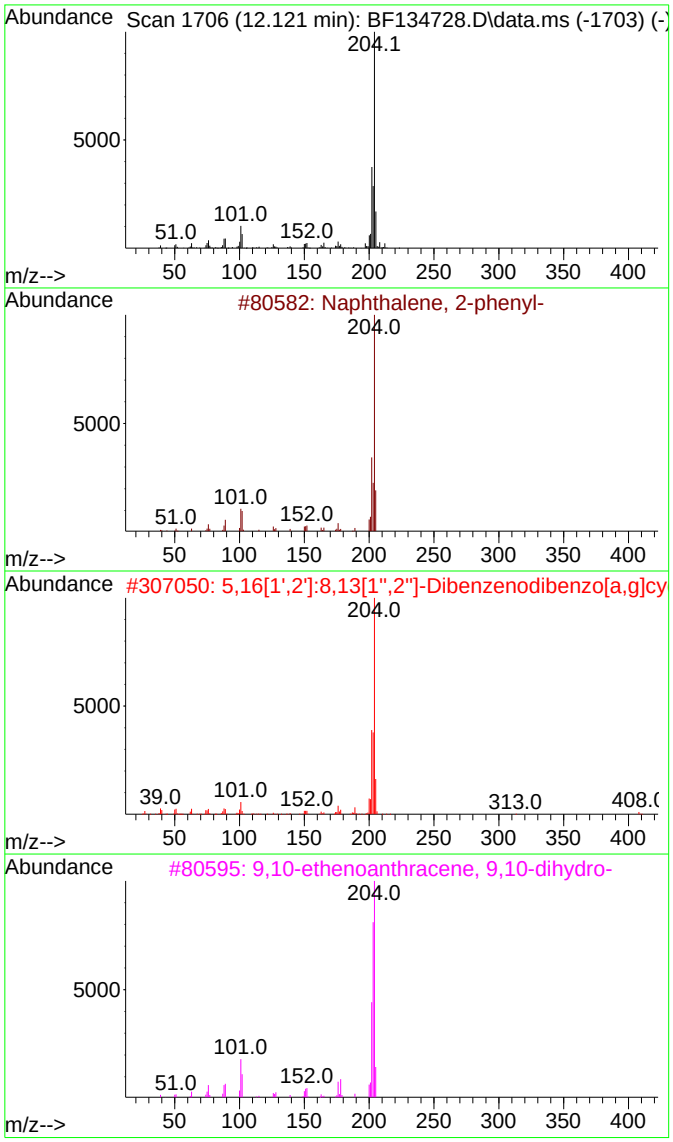
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

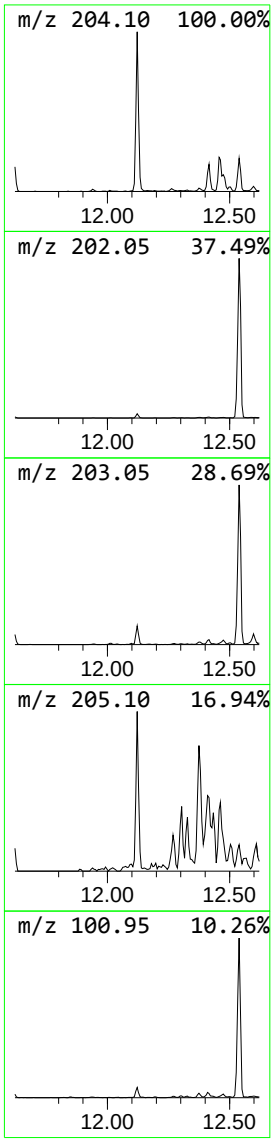
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.121	4.25 ng	211978	Phenanthrene-d10	11.322

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	9,10-ethenoanthracene, 9,10-dihy...	204	C16H12	1000400-47-8	53
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	53
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50





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Acq On : 11 Aug 2023 12:29
Operator : CG\JU
Sample : 03954-13DL 50X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

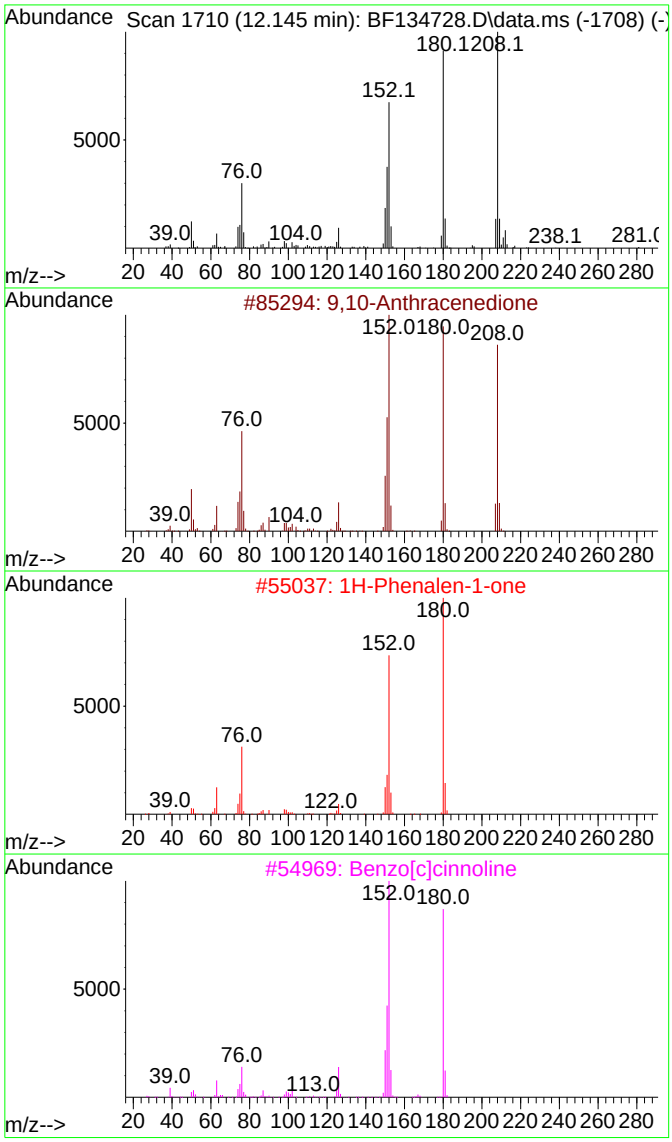
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

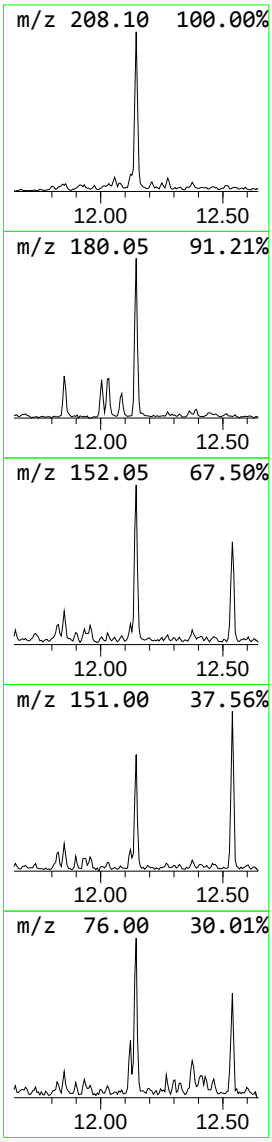
****

Peak Number 12 9,10-Anthracenedione Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.145	2.92 ng	145556	Phenanthrene-d10	11.322

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
4	2-(Dicyanomethylene)indene-1,3-d...	208	C12H4N2O2	016954-74-8	58
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	53





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ALS Vial : 10 Sample Multiplier: 1

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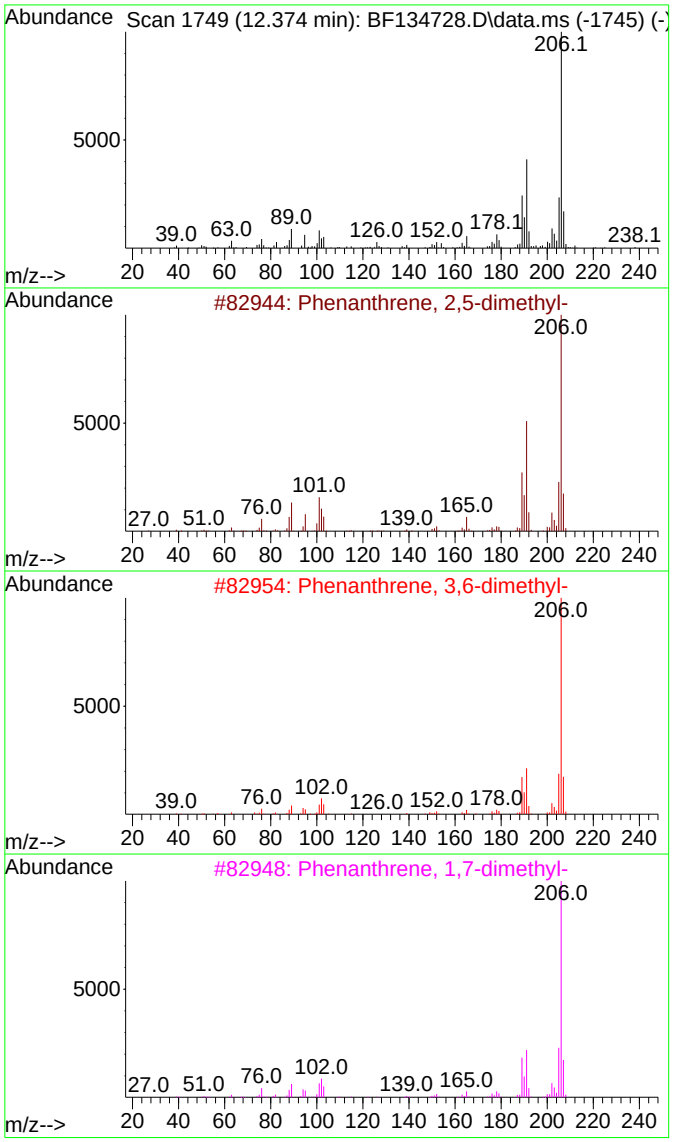
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

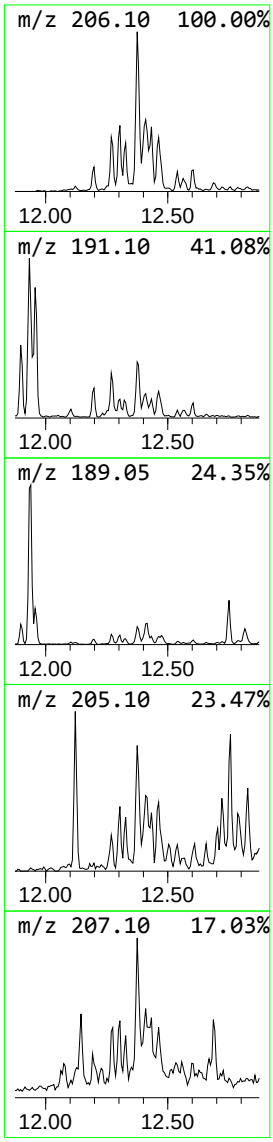
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.374	4.33 ng	215996	Phenanthrene-d10	11.322

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
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	91





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Sample : 03954-13DL 50X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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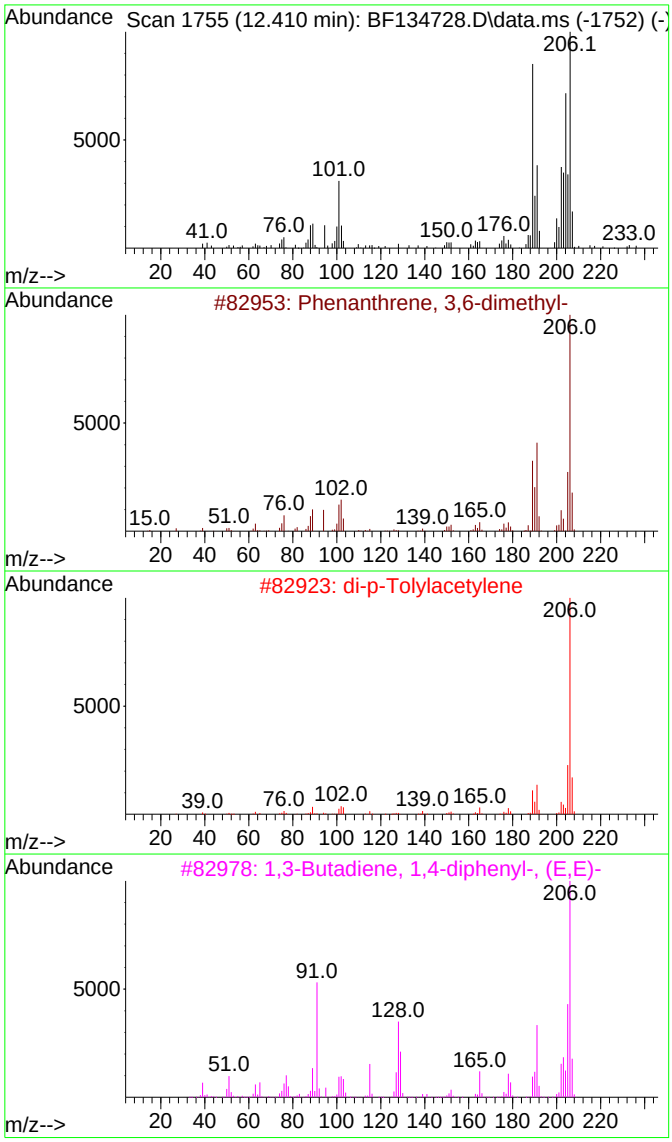
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

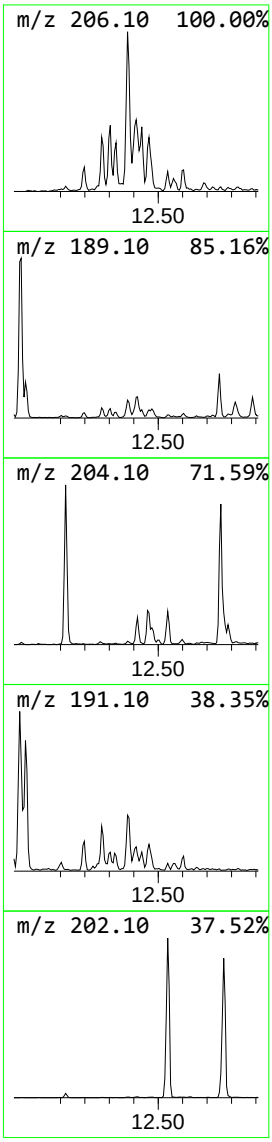
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Phenanthrene, 3,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.410	3.22 ng	160440	Phenanthrene-d10	11.322

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	70
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	46
3	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	45
4	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	44
5	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	43





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Misc :
ALS Vial : 10 Sample Multiplier: 1

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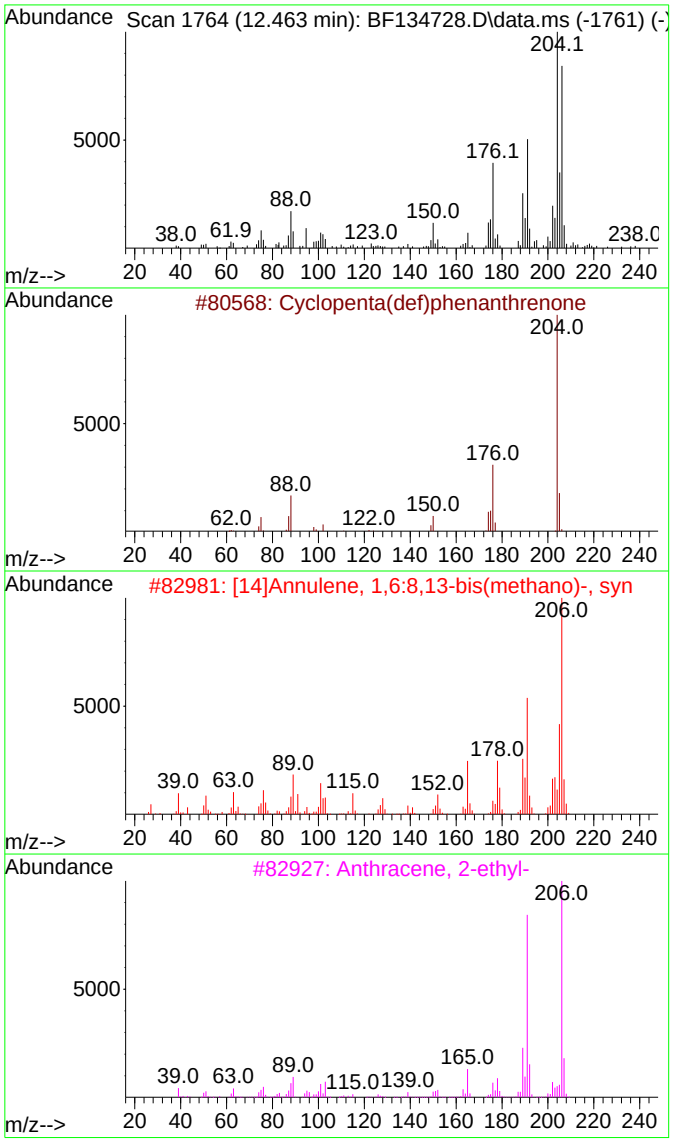
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

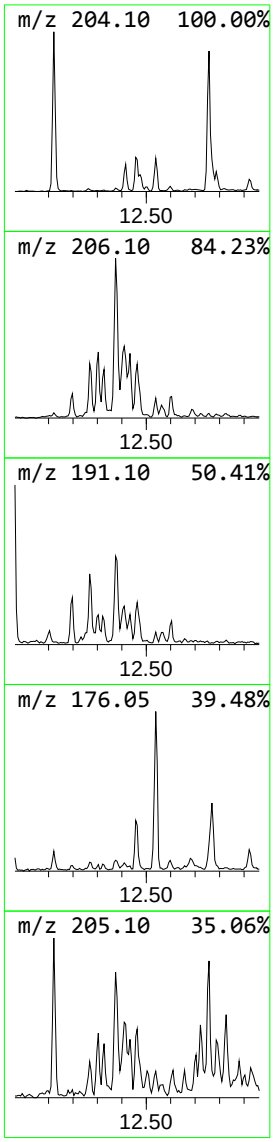
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.463	3.14 ng	156518	Phenanthrene-d10	11.322

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	55
2	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	55
3	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	50
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	50
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	50





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ALS Vial : 10 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

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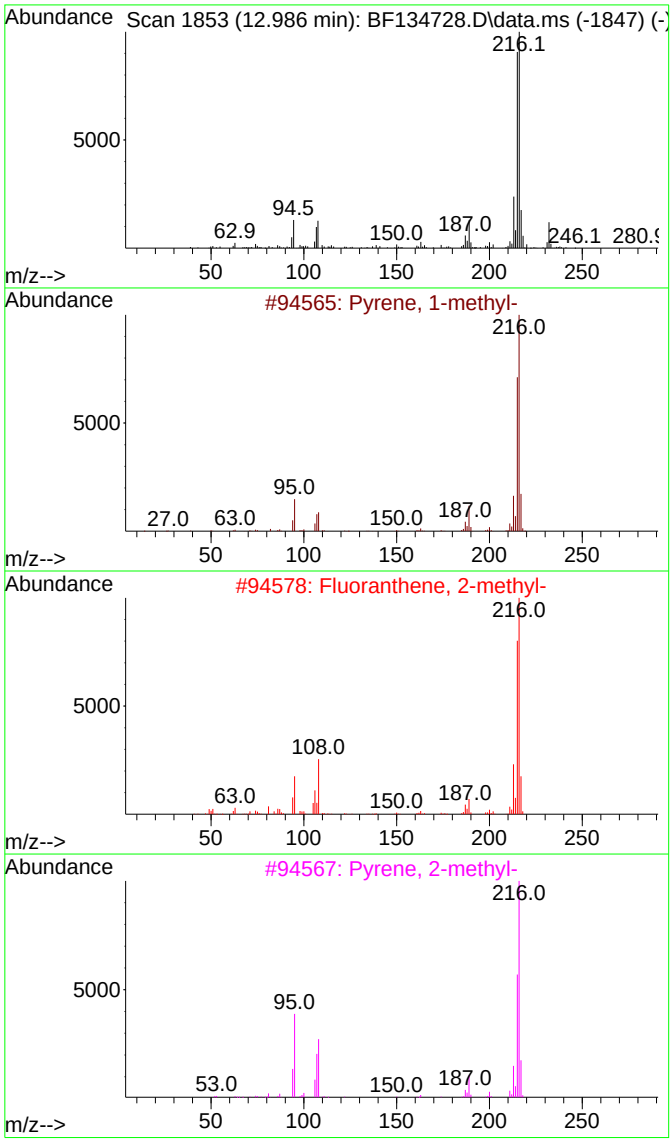
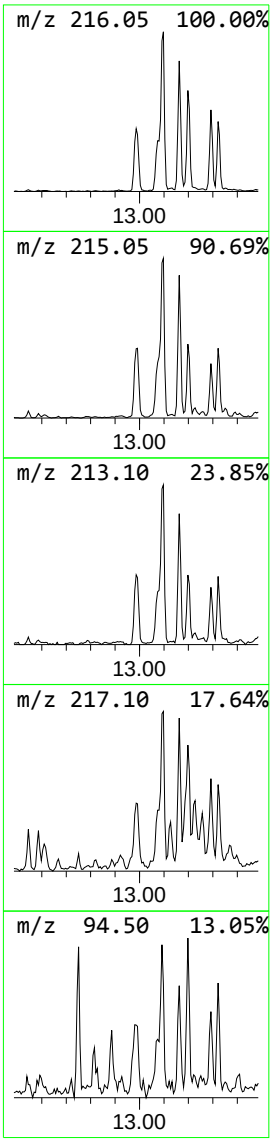
Peak Number 16 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.986	2.36 ng	277976	Chrysene-d12	13.968

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	90
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	89
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	83





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Acq On : 11 Aug 2023 12:29
Operator : CG\JU
Sample : 03954-13DL 50X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-19DL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.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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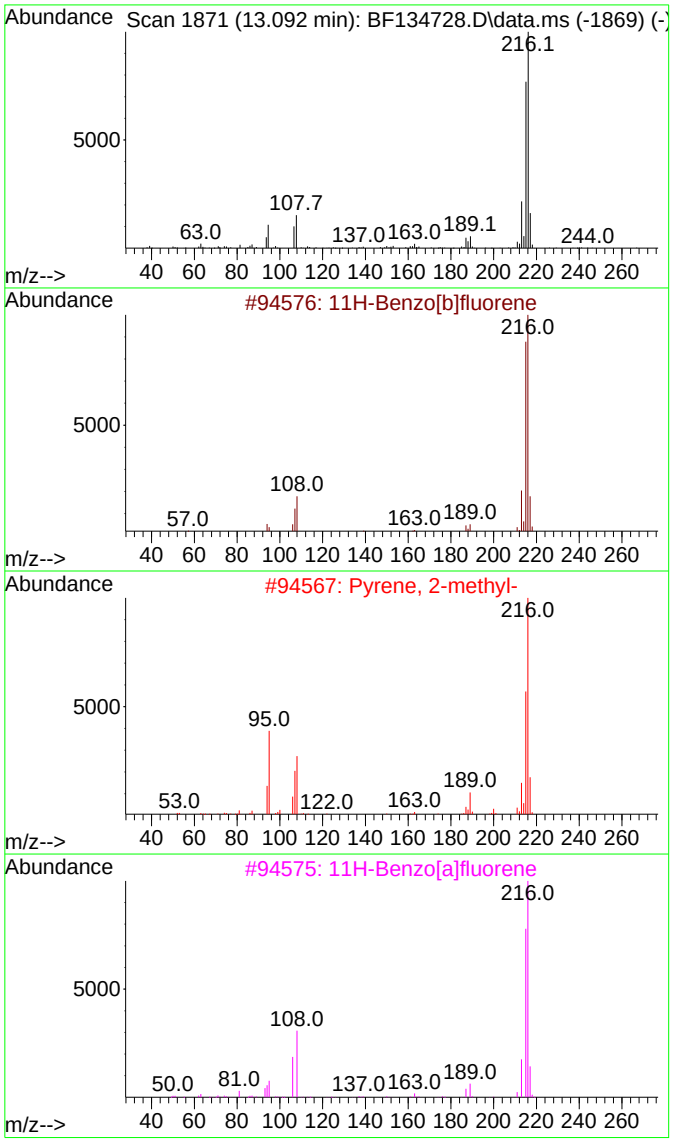
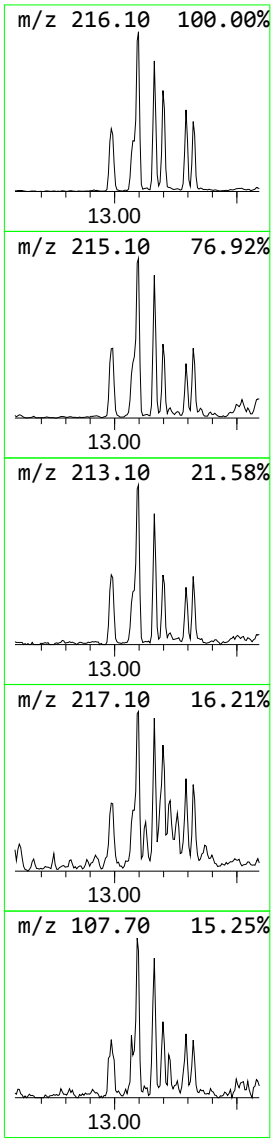
Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.092	2.94 ng	345163	Chrysene-d12	13.968

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081123\
Data File : BF134728.D
Acq On : 11 Aug 2023 12:29
Operator : CG\JU
Sample : 03954-13DL 50X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-19DL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.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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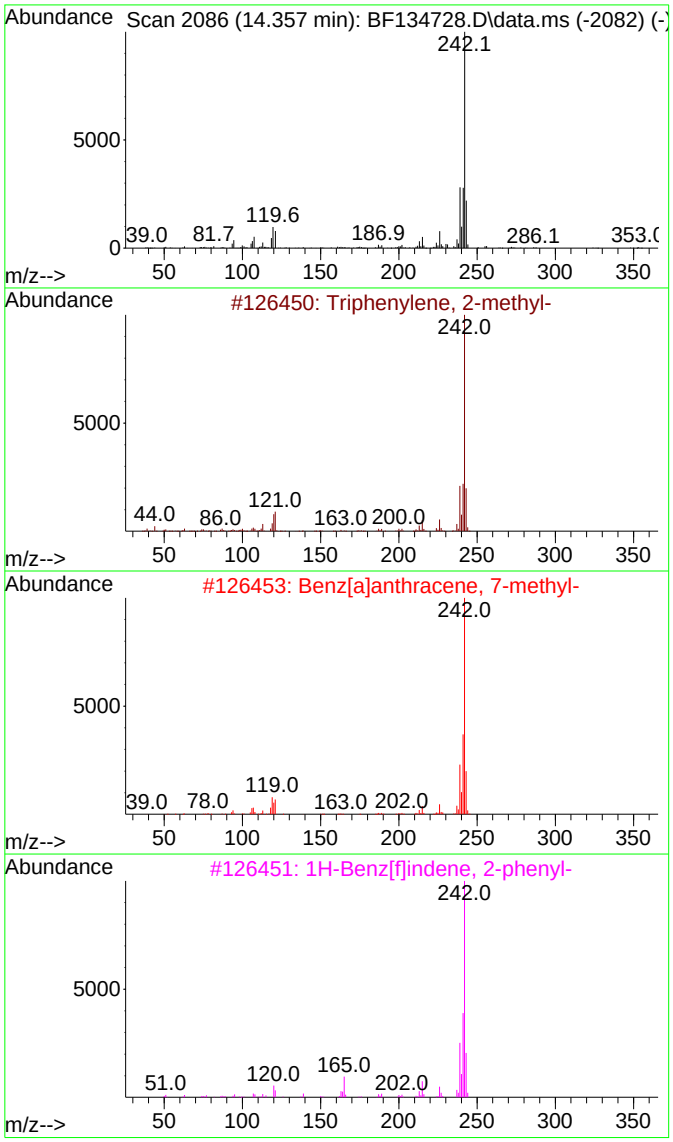
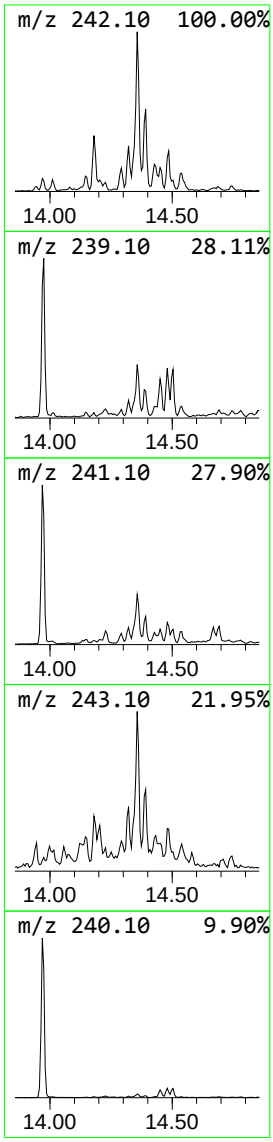
Peak Number 18 Triphenylene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.357	2.21 ng	260332	Chrysene-d12	13.968

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	96
3	1H-Benz[f]indene, 2-phenyl-	242	C19H14	1000305-22-4	94
4	Chrysene, 1-methyl-	242	C19H14	003351-28-8	91
5	Benz[a]anthracene, 11-methyl-	242	C19H14	006111-78-0	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081123\
Data File : BF134728.D
Acq On : 11 Aug 2023 12:29
Operator : CG\JU
Sample : 03954-13DL 50X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-19DL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.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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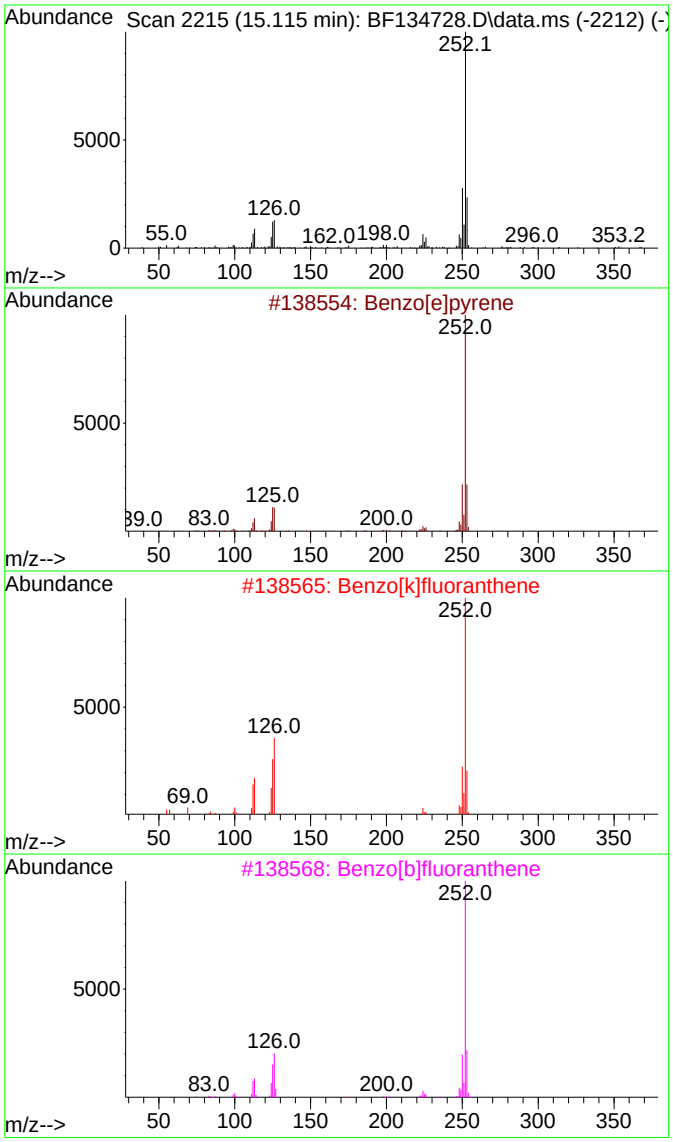
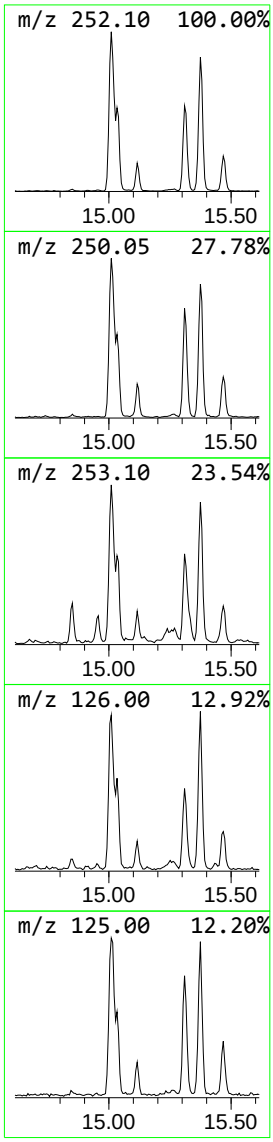
Peak Number 19 Benzo[e]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.115	3.69 ng	130514	Perylene-d12	15.439

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	91
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081123\
Data File : BF134728.D
Acq On : 11 Aug 2023 12:29
Operator : CG\JU
Sample : 03954-13DL 50X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-19DL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.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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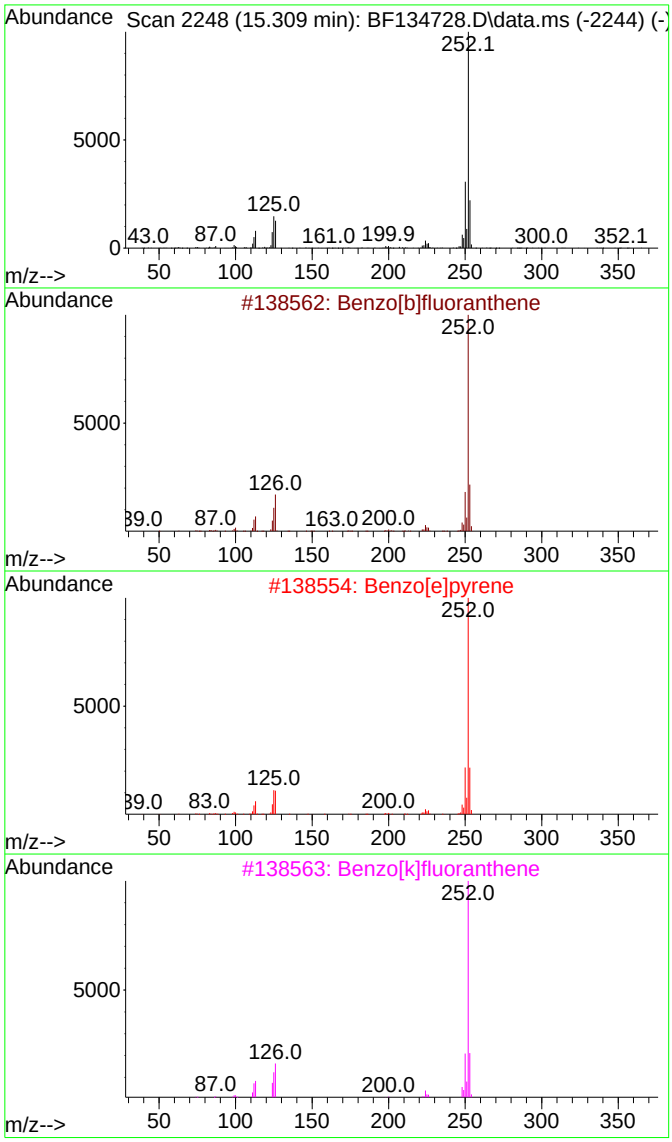
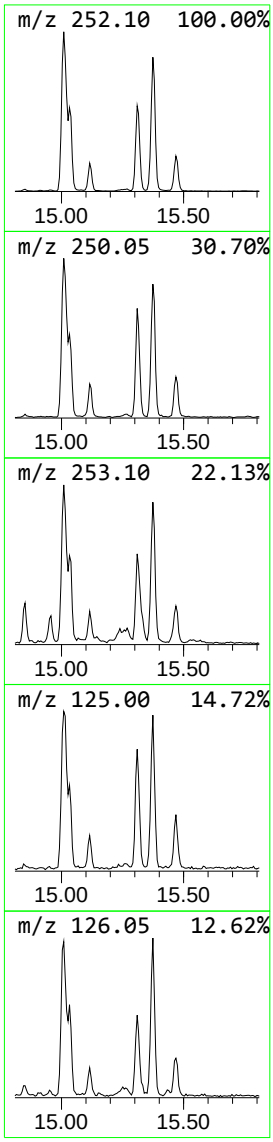
Peak Number 20 Benzo[b]fluoranthene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.310	12.94 ng	458001	Perylene-d12	15.439

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





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081123\
Data File : BF134728.D
Acq On : 11 Aug 2023 12:29
Operator : CG\JU
Sample : 03954-13DL 50X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-19DL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.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
Naphthalene, 2,...	9.492	2.6	ng	147891	3	9.833	1147730	20.0
Dibenzofuran, 4...	10.616	3.0	ng	150469	4	11.322	996881	20.0
9H-Fluorene, 2-...	10.927	3.2	ng	158535	4	11.322	996881	20.0
Anthracene, 1,2...	11.180	2.3	ng	115486	4	11.322	996881	20.0
Dibenzothiophene	11.216	4.2	ng	211089	4	11.322	996881	20.0
Phenanthrene, 2...	11.821	7.7	ng	385465	4	11.322	996881	20.0
Phenanthrene, 2...	11.851	9.0	ng	448825	4	11.322	996881	20.0
Phenanthrene, 2...	11.898	3.3	ng	164624	4	11.322	996881	20.0
4H-Cyclopenta[d...	11.933	13.0	ng	646120	4	11.322	996881	20.0
Anthracene, 2-m...	11.957	4.2	ng	207065	4	11.322	996881	20.0
Naphthalene, 2-...	12.121	4.3	ng	211978	4	11.322	996881	20.0
9,10-Anthracene...	12.145	2.9	ng	145556	4	11.322	996881	20.0
Phenanthrene, 2...	12.374	4.3	ng	215996	4	11.322	996881	20.0
Phenanthrene, 3...	12.410	3.2	ng	160440	4	11.322	996881	20.0
Cyclopenta(def)...	12.463	3.1	ng	156518	4	11.322	996881	20.0
Pyrene, 1-methyl-	12.986	2.4	ng	277976	5	13.968	2351520	20.0
11H-Benzo[b]flu...	13.092	2.9	ng	345163	5	13.968	2351520	20.0
Triphenylene, 2...	14.357	2.2	ng	260332	5	13.968	2351520	20.0
Benzo[e]pyrene	15.115	3.7	ng	130514	6	15.439	708072	20.0
Benzo[b]fluoran...	15.310	12.9	ng	458001	6	15.439	708072	20.0