LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120123\
Data File : BF136367.D
Acq On : 02 Dec 2023 08:23
Operator : CG\JU
Sample : 05504-02
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
281RE

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-BF112723.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF136367.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.045	499	503	509	rVB	37203	48763	1.76%	0.129%
2	5.445	566	571	574	rBV	2337881	2105436	76.20%	5.557%
3	6.439	735	740	743	rBV	2078110	1887208	68.30%	4.981%
4	6.804	799	802	806	rBV	759330	584097	21.14%	1.542%
5	7.363	892	897	900	rBV	1401260	1199805	43.42%	3.167%
6	8.080	1015	1019	1021	rBV	825793	681214	24.65%	1.798%
7	8.104	1021	1023	1026	rVB	321949	242960	8.79%	0.641%
8	8.792	1136	1140	1144	rBV	344813	282144	10.21%	0.745%
9	8.892	1153	1157	1160	rBV	207389	154949	5.61%	0.409%
10	9.157	1198	1202	1205	rBV	2082043	1740975	63.01%	4.595%
11	9.257	1213	1219	1221	rBV	60771	50974	1.84%	0.135%
12	9.422	1243	1247	1252	rBV	82488	118997	4.31%	0.314%
13	9.492	1255	1259	1262	rBV	117463	123022	4.45%	0.325%
14	9.522	1262	1264	1269	rVB	78376	58687	2.12%	0.155%
15	9.610	1273	1279	1281	rBV2	49522	47687	1.73%	0.126%
16	9.698	1288	1294	1298	rBV	147302	124386	4.50%	0.328%
17	9.839	1311	1318	1320	rBV	711127	607009	21.97%	1.602%
18	9.869	1320	1323	1327	rVB	371646	302841	10.96%	0.799%
19	10.045	1349	1353	1357	rVV	283066	269606	9.76%	0.712%
20	10.386	1408	1411	1417	rVB	515063	419332	15.18%	1.107%
21	10.545	1436	1438	1441	rVB	94486	68288	2.47%	0.180%
22	10.627	1446	1452	1457	rBV	1209930	1052448	38.09%	2.778%
23	10.939	1499	1505	1507	rBV2	82904	101625	3.68%	0.268%
24	11.133	1535	1538	1542	rVB3	61691	60026	2.17%	0.158%
25	11.180	1542	1546	1549	rVV2	39310	51298	1.86%	0.135%
26	11.227	1551	1554	1559	rVB	168769	159076	5.76%	0.420%
27	11.327	1568	1571	1573	rBV	624014	581972	21.06%	1.536%
28	11.357	1573	1576	1579	rVV	2683541	2081314	75.33%	5.494%
29	11.404	1579	1584	1587	rVV	465243	408140	14.77%	1.077%
30	11.439	1587	1590	1593	rVB2	53740	55045	1.99%	0.145%
31	11.563	1605	1611	1614	rBV	173985	176274	6.38%	0.465%
32	11.627	1620	1622	1625	rBV	61721	52810	1.91%	0.139%
33	11.663	1625	1628	1633	rVB2	79767	80640	2.92%	0.213%
34	11.745	1639	1642	1646	rVB	57387	60395	2.19%	0.159%
35	11.833	1651	1657	1659	rVV	350849	302694	10.96%	0.799%
36	11.863	1659	1662	1667	rVV	549646	502236	18.18%	1.326%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120123\
Data File : BF136367.D
Acq On : 02 Dec 2023 08:23
Operator : CG\JU
Sample : 05504-02
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 281RE

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-BF112723.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.910	1667	1670	1673	rVV	120299	113302	4.10%	0.299%
38	11.945	1673	1676	1678	rVV	487179	479009	17.34%	1.264%
39	11.968	1678	1680	1686	rVB	240859	193590	7.01%	0.511%
40	12.068	1694	1697	1699	rVB2	52986	47735	1.73%	0.126%
41	12.133	1705	1708	1710	rBV	216790	198143	7.17%	0.523%
42	12.157	1710	1712	1715	rVB2	211642	176872	6.40%	0.467%
43	12.280	1731	1733	1736	rVB	78728	61557	2.23%	0.162%
44	12.310	1736	1738	1741	rBV	107211	92376	3.34%	0.244%
45	12.333	1741	1742	1745	rVB	81548	59340	2.15%	0.157%
46	12.386	1745	1751	1754	rBV	263678	283532	10.26%	0.748%
47	12.421	1754	1757	1759	rVV2	119383	136744	4.95%	0.361%
48	12.445	1759	1761	1763	rVB	85167	60225	2.18%	0.159%
49	12.474	1763	1766	1771	rBV2	170088	191551	6.93%	0.506%
50	12.551	1774	1779	1783	rBV	2891011	2763000	100.00%	7.293%
51	12.598	1783	1787	1788	rVV3	65775	68830	2.49%	0.182%
52	12.645	1792	1795	1798	rVV	95524	101995	3.69%	0.269%
53	12.680	1798	1801	1803	rVV2	84527	97031	3.51%	0.256%
54	12.698	1803	1804	1808	rVV	93545	90819	3.29%	0.240%
55	12.780	1812	1818	1824	rVV2	2268203	2674456	96.80%	7.059%
56	12.827	1824	1826	1831	rVB2	138521	175092	6.34%	0.462%
57	12.898	1834	1838	1840	rBV	145513	151579	5.49%	0.400%
58	12.927	1840	1843	1850	rVB	2085092	1722829	62.35%	4.547%
59	12.998	1850	1855	1859	rBV3	229924	335431	12.14%	0.885%
60	13.086	1867	1870	1871	rVV3	169389	182574	6.61%	0.482%
61	13.110	1871	1874	1877	rVB	348328	332894	12.05%	0.879%
62	13.174	1877	1885	1888	rBV	288008	321990	11.65%	0.850%
63	13.210	1888	1891	1895	rVV2	290758	327961	11.87%	0.866%
64	13.268	1899	1901	1904	rVV2	47375	47207	1.71%	0.125%
65	13.304	1904	1907	1910	rVV	175746	156608	5.67%	0.413%
66	13.333	1910	1912	1916	rVV	171234	162860	5.89%	0.430%
67	13.515	1940	1943	1945	rVV3	44051	51241	1.85%	0.135%
68	13.615	1957	1960	1965	rVB	256687	277669	10.05%	0.733%
69	13.680	1969	1971	1974	rVB	57190	47570	1.72%	0.126%
70	13.727	1974	1979	1982	rBV2	240461	321889	11.65%	0.850%
71	13.762	1982	1985	1987	rVV	211261	206041	7.46%	0.544%
72	13.780	1987	1988	1993	rVV2	185145	230626	8.35%	0.609%
73	13.827	1993	1996	2001	rVB	240120	251181	9.09%	0.663%
74	13.904	2006	2009	2015	rBV3	58793	117475	4.25%	0.310%
75	13.980	2015	2022	2025	rBV2	1230980	1829648	66.22%	4.829%
76	14.010	2025	2027	2033	rVB	1090927	1086349	39.32%	2.867%

LSC Area Percent Report

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Acq On : 02 Dec 2023 08:23
Operator : CG\JU
Sample : 05504-02
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
281RE

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 >
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Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.092	2039	2041	2043	rVB	74458	52012	1.88%	0.137%
78	14.127	2043	2047	2049	rBV2	71202	85981	3.11%	0.227%
79	14.239	2064	2066	2069	rVB2	57405	50948	1.84%	0.134%
80	14.339	2080	2083	2084	rBV	57611	48094	1.74%	0.127%
81	14.374	2084	2089	2092	rVV	245860	288812	10.45%	0.762%
82	14.409	2092	2095	2099	rVV2	198083	222250	8.04%	0.587%
83	14.445	2099	2101	2102	rVV2	51703	48499	1.76%	0.128%
84	14.468	2102	2105	2107	rVV2	178547	186842	6.76%	0.493%
85	14.498	2107	2110	2112	rVV2	138895	146257	5.29%	0.386%
86	14.521	2112	2114	2117	rVV2	96035	102164	3.70%	0.270%
87	14.574	2121	2123	2129	rVV	76066	79976	2.89%	0.211%
88	14.627	2129	2132	2137	rVB6	46993	54733	1.98%	0.144%
89	14.768	2152	2156	2157	rBV4	52060	66719	2.41%	0.176%
90	14.857	2167	2171	2181	rVB6	69049	168041	6.08%	0.444%
91	14.939	2181	2185	2189	rVB3	53662	66899	2.42%	0.177%
92	15.033	2196	2201	2204	rBV	655484	991142	35.87%	2.616%
93	15.139	2214	2219	2223	rVB2	108941	179572	6.50%	0.474%
94	15.298	2243	2246	2248	rBV2	36025	45996	1.66%	0.121%
95	15.339	2249	2253	2259	rVB	332762	428277	15.50%	1.130%
96	15.404	2259	2264	2270	rBV	378063	446966	16.18%	1.180%
97	15.468	2270	2275	2278	rBV	401237	481972	17.44%	1.272%
98	15.980	2356	2362	2369	rBV4	48545	112753	4.08%	0.298%
99	16.968	2524	2530	2539	rVB3	123037	268989	9.74%	0.710%
100	17.421	2600	2607	2615	rVB	92705	191180	6.92%	0.505%

Sum of corrected areas: 37886268

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120123\
Data File : BF136367.D
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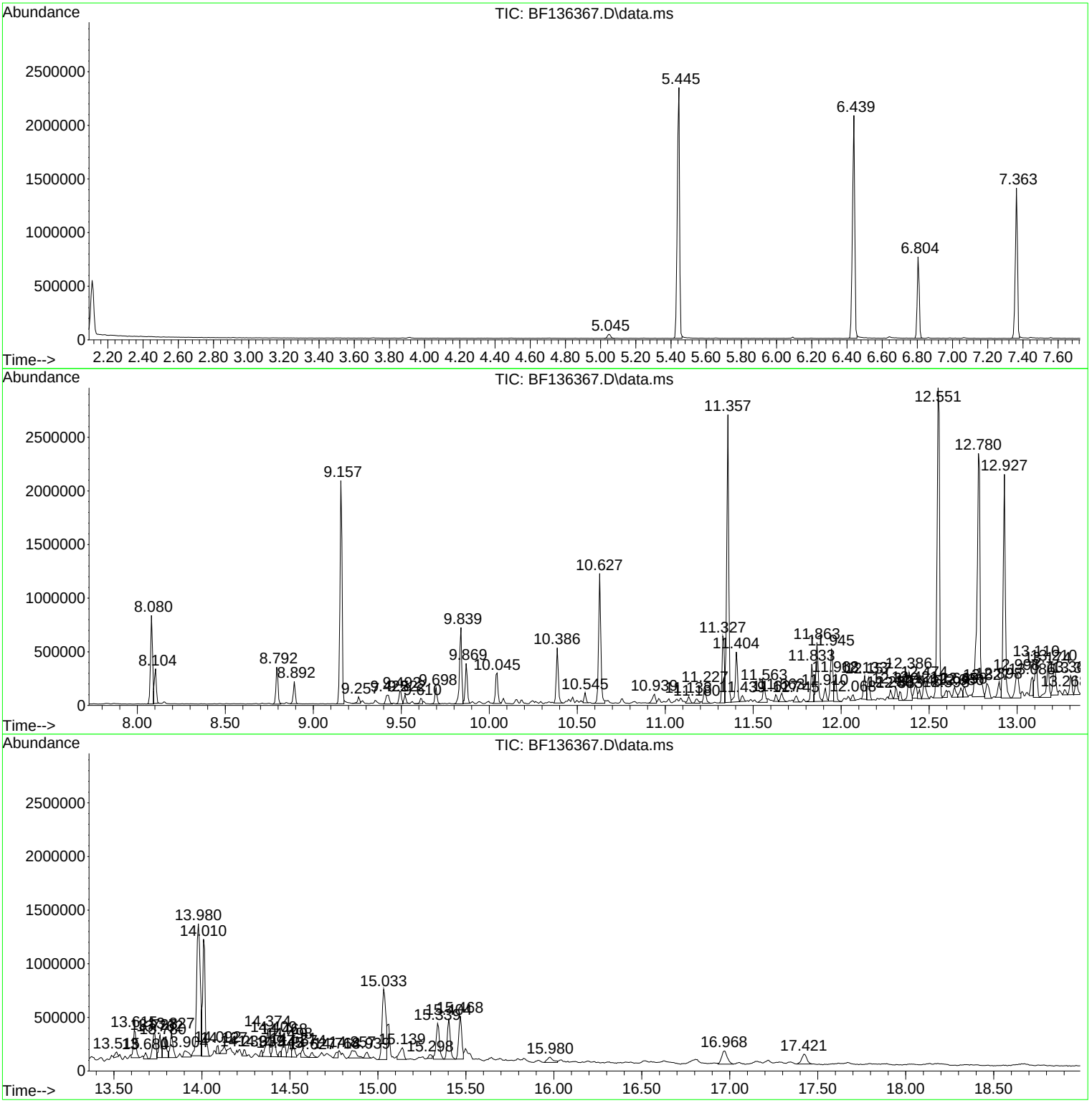
Sample : 05504-02
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
281RE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.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\BF120123\
Data File : BF136367.D
Acq On : 02 Dec 2023 08:23
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Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

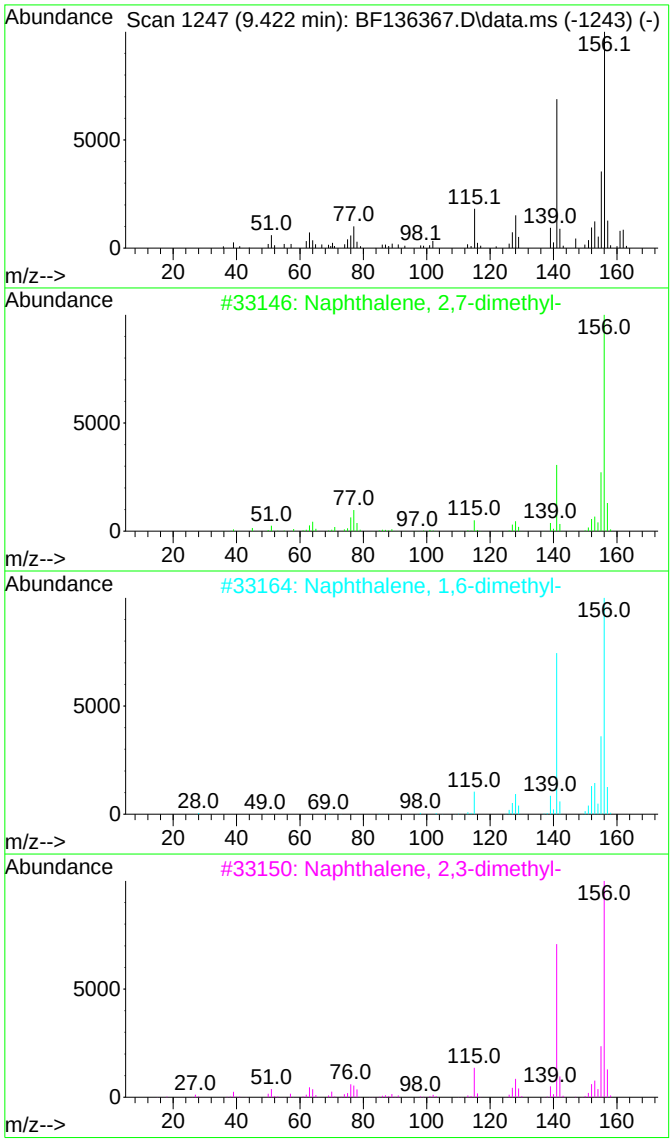
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

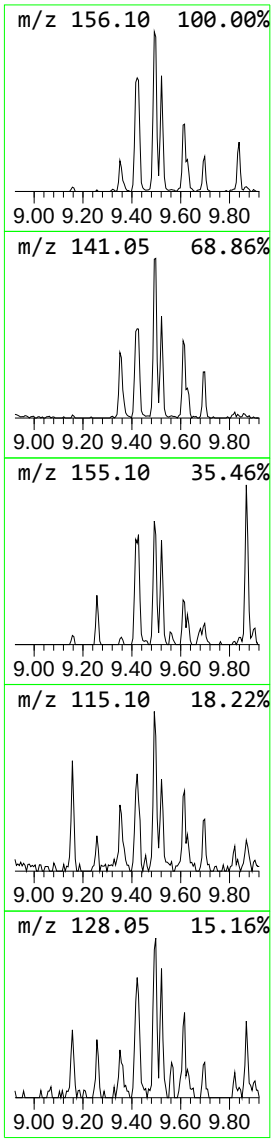
****

Peak Number 1 Naphthalene, 2,7-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.422	3.92 ng	118997	Acenaphthene-d10	9.839

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120123\
Data File : BF136367.D
Acq On : 02 Dec 2023 08:23
Operator : CG\JU
Sample : 05504-02
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_F
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281RE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

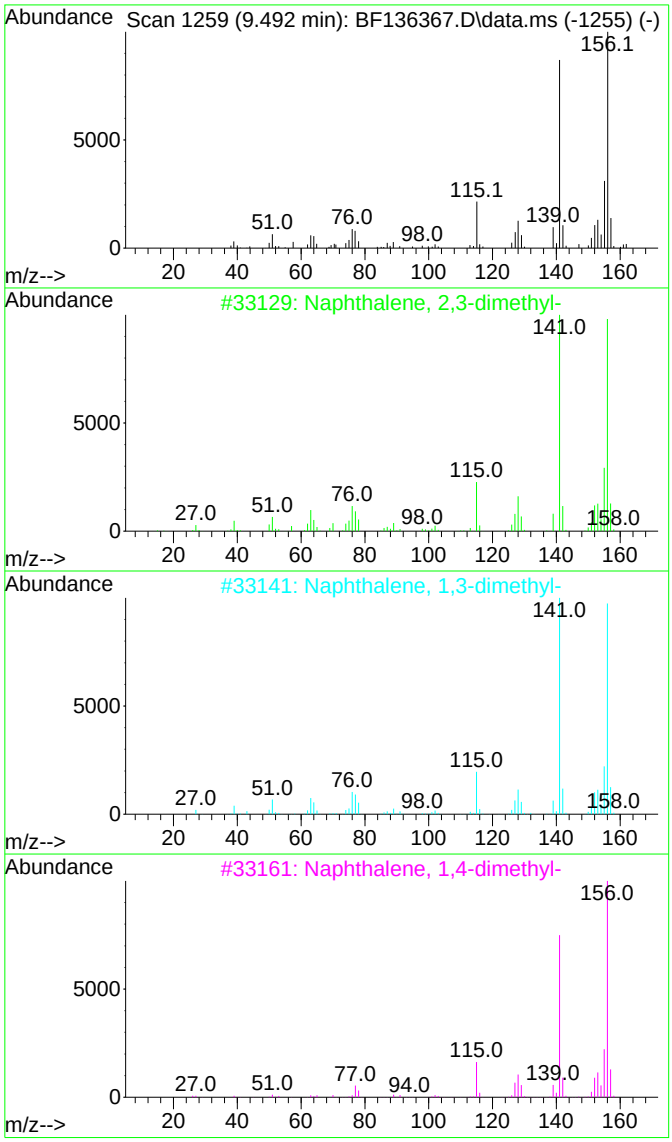
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

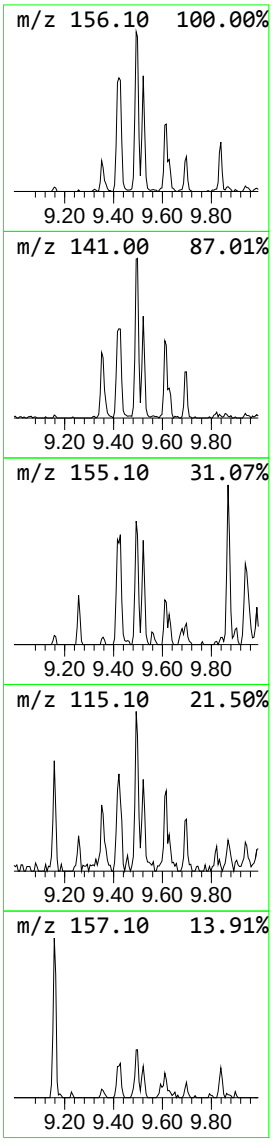
****

Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.492	4.05 ng	123022	Acenaphthene-d10	9.839

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120123\
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ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_F
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.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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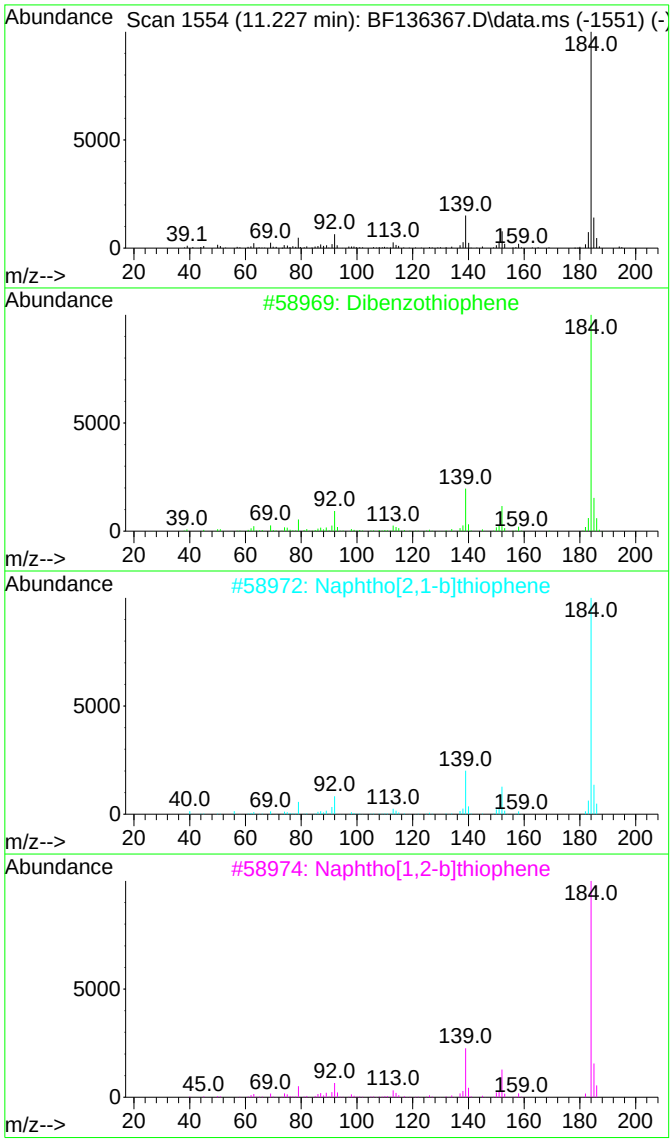
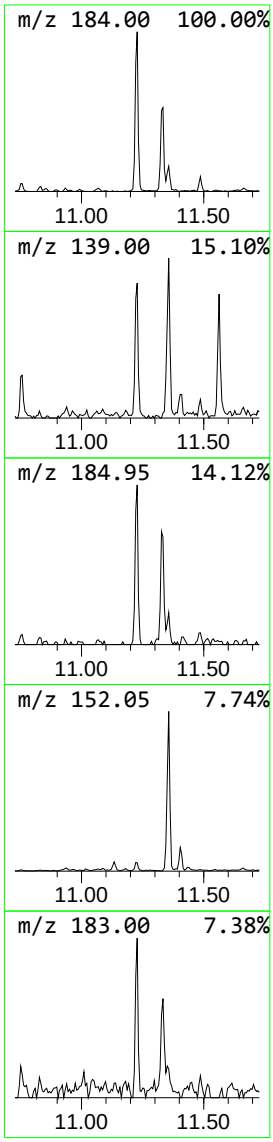
Peak Number 3 Dibenzothiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.227	5.47 ng	159076	Phenanthrene-d10	11.327

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120123\
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Acq On : 02 Dec 2023 08:23
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Sample : 05504-02
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
281RE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

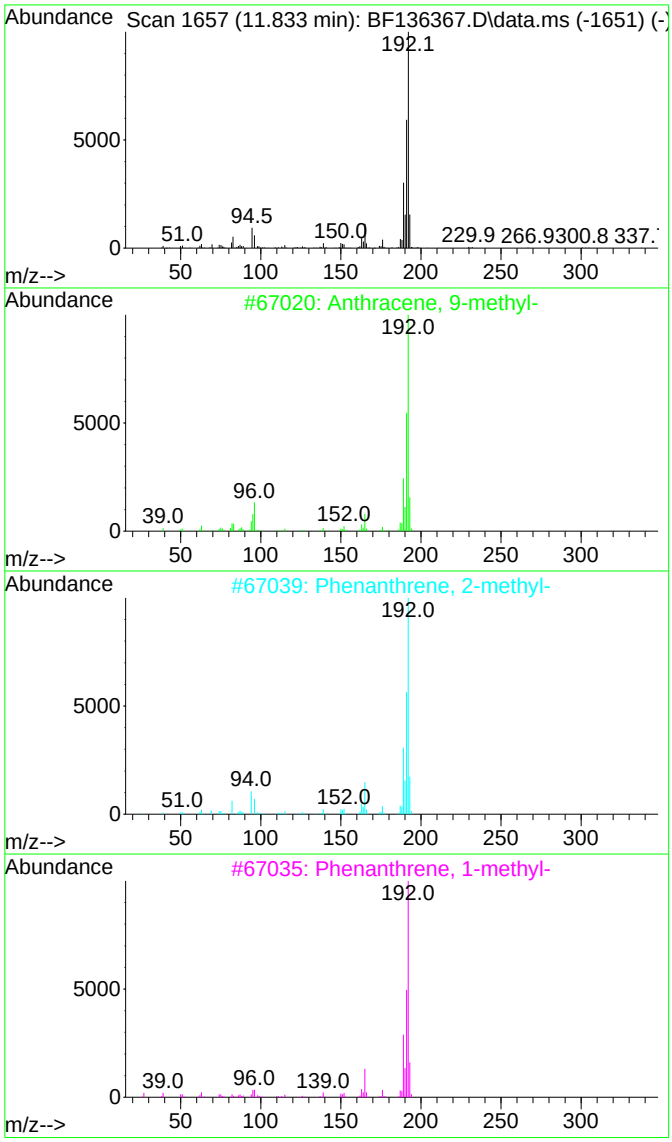
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

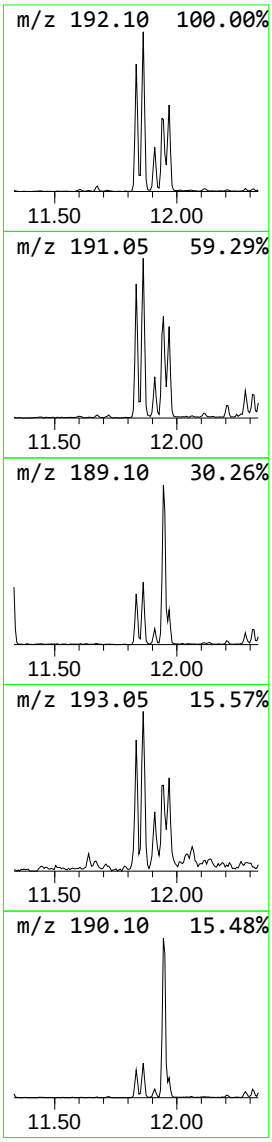
****

Peak Number 4 Anthracene, 9-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.833	10.40 ng	302694	Phenanthrene-d10	11.327

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120123\
Data File : BF136367.D
Acq On : 02 Dec 2023 08:23
Operator : CG\JU
Sample : 05504-02
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
281RE

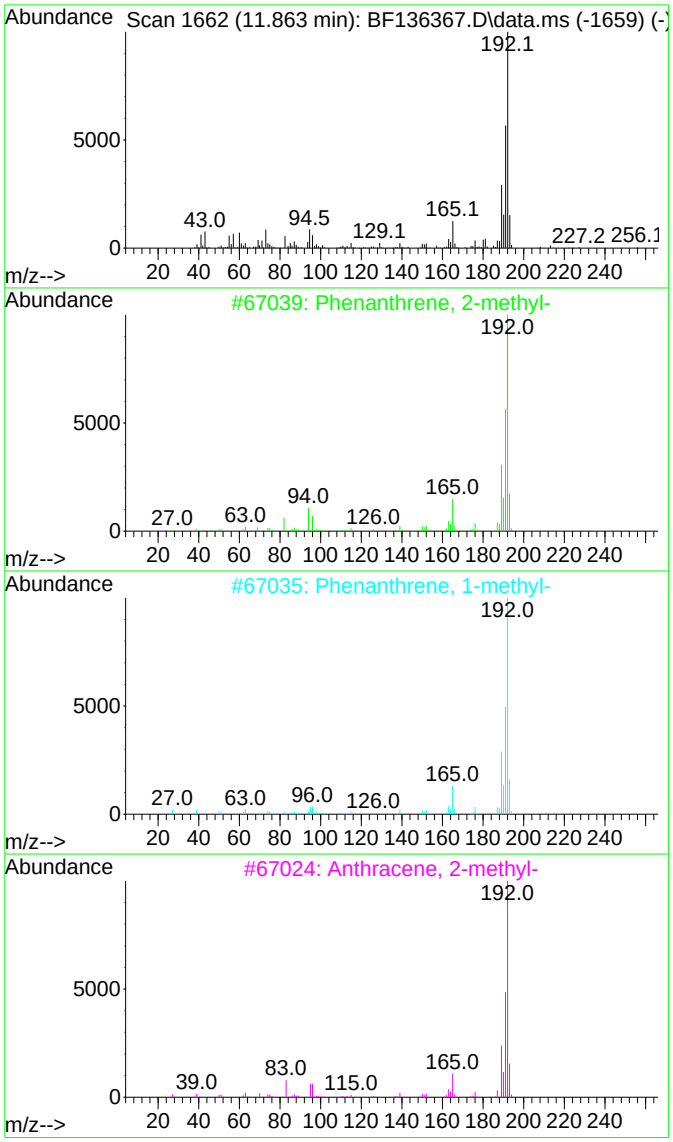
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

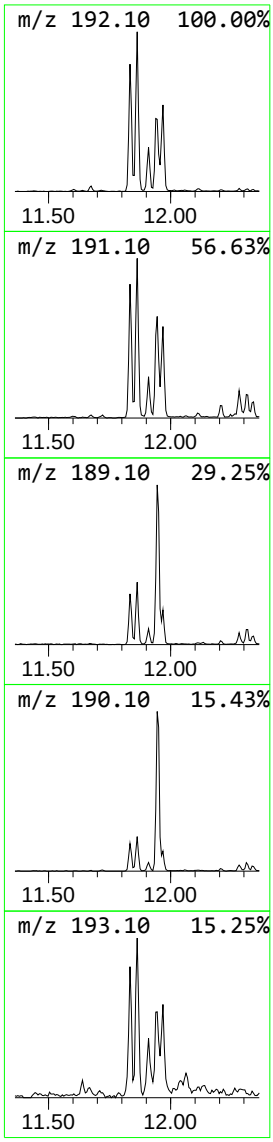
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.863	17.26 ng	502236	Phenanthrene-d10	11.327

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	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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Operator : CG\JU
Sample : 05504-02
Misc :
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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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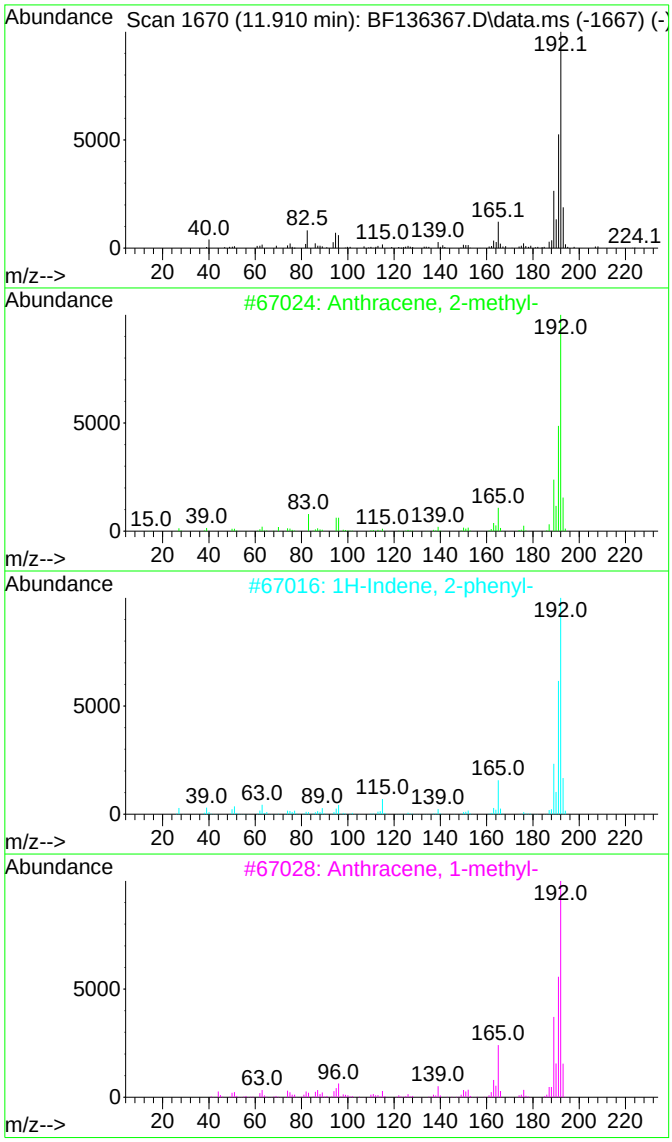
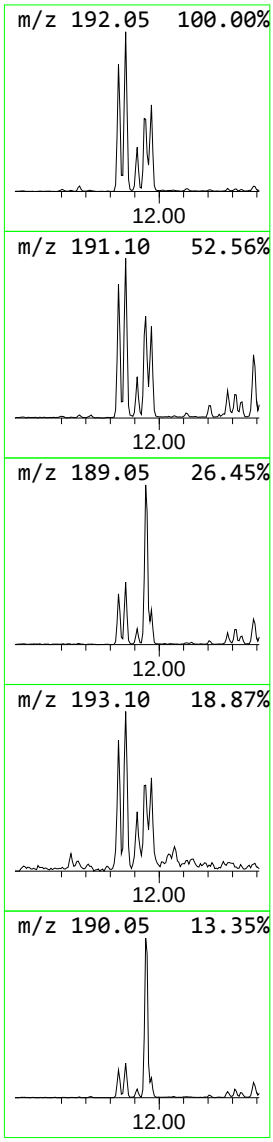
Peak Number 6 Anthracene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.910	3.89 ng	113302	Phenanthrene-d10	11.327

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95





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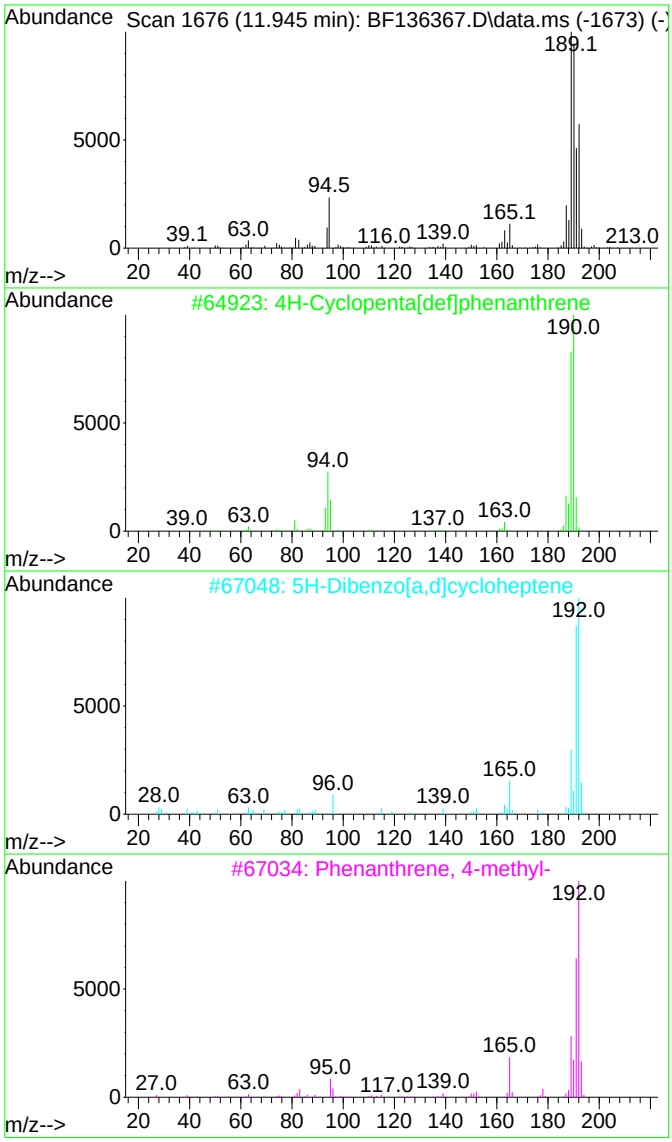
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

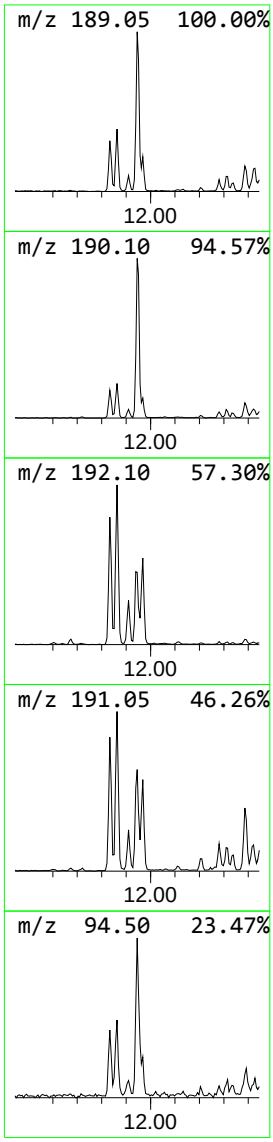
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.945	16.46 ng	479009	Phenanthrene-d10	11.327

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	25
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	25





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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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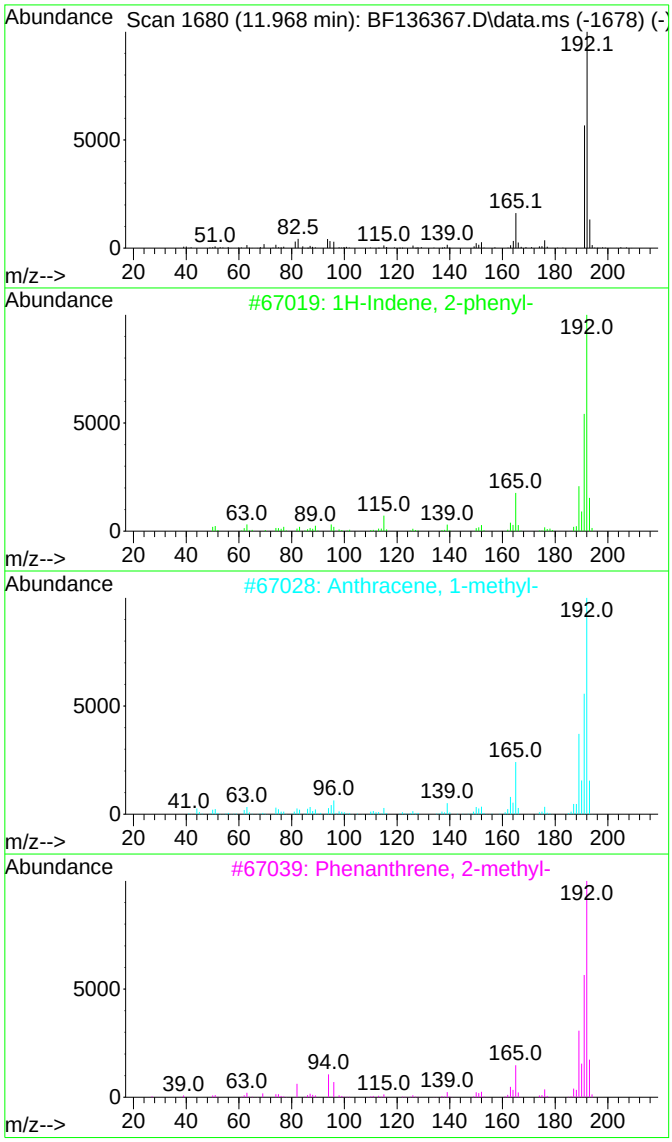
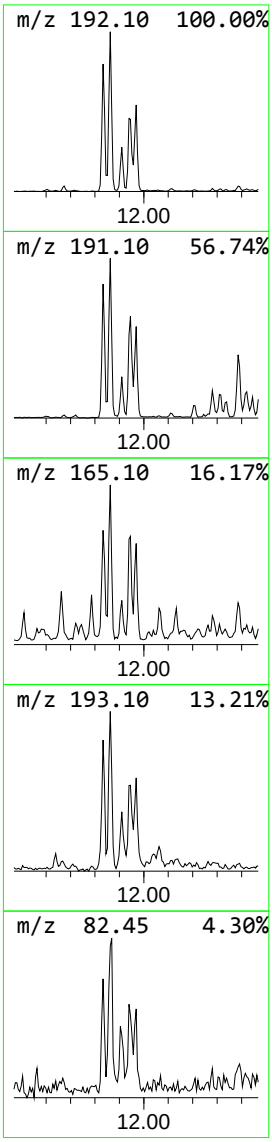
Peak Number 8 1H-Indene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.969	6.65 ng	193590	Phenanthrene-d10	11.327

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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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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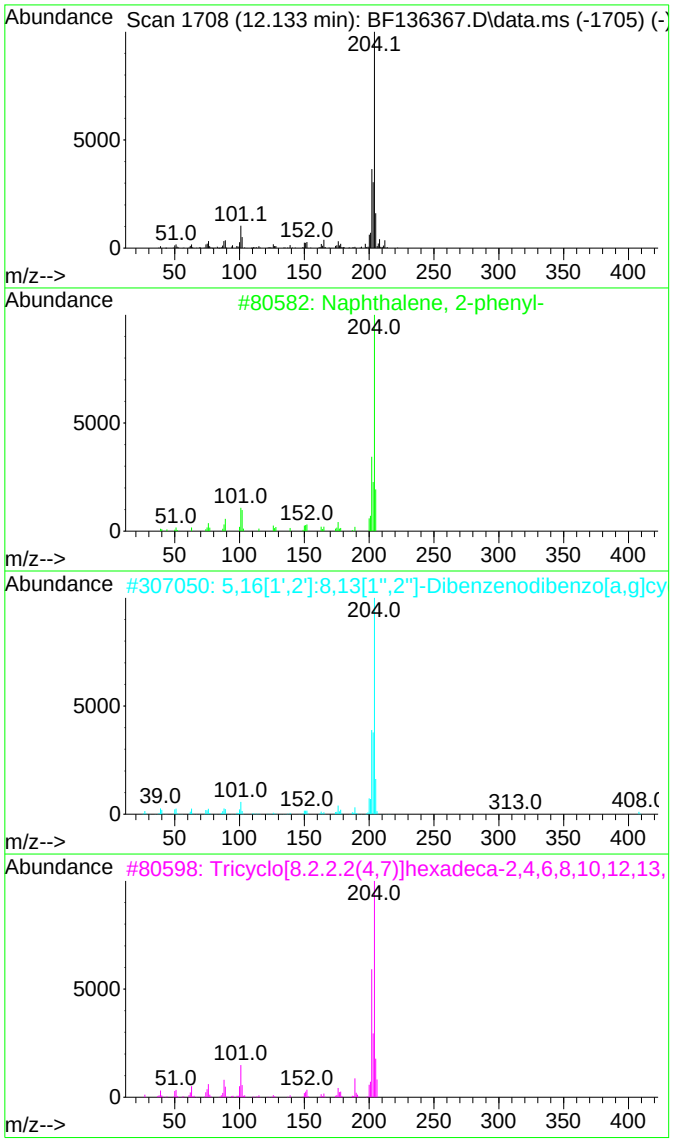
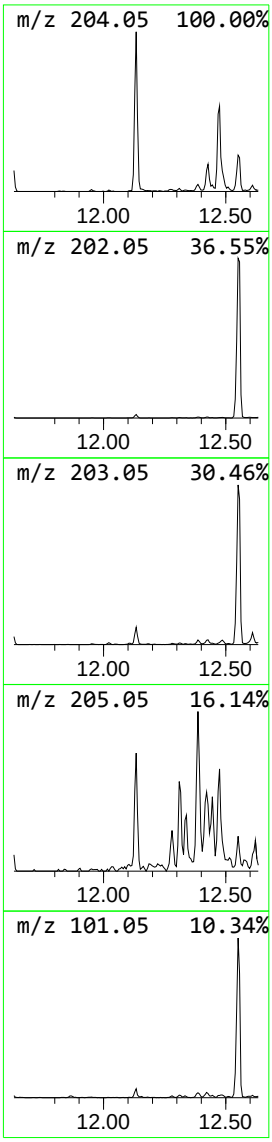
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.133	6.81 ng	198143	Phenanthrene-d10	11.327

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	87
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	68
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	50
5	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	50





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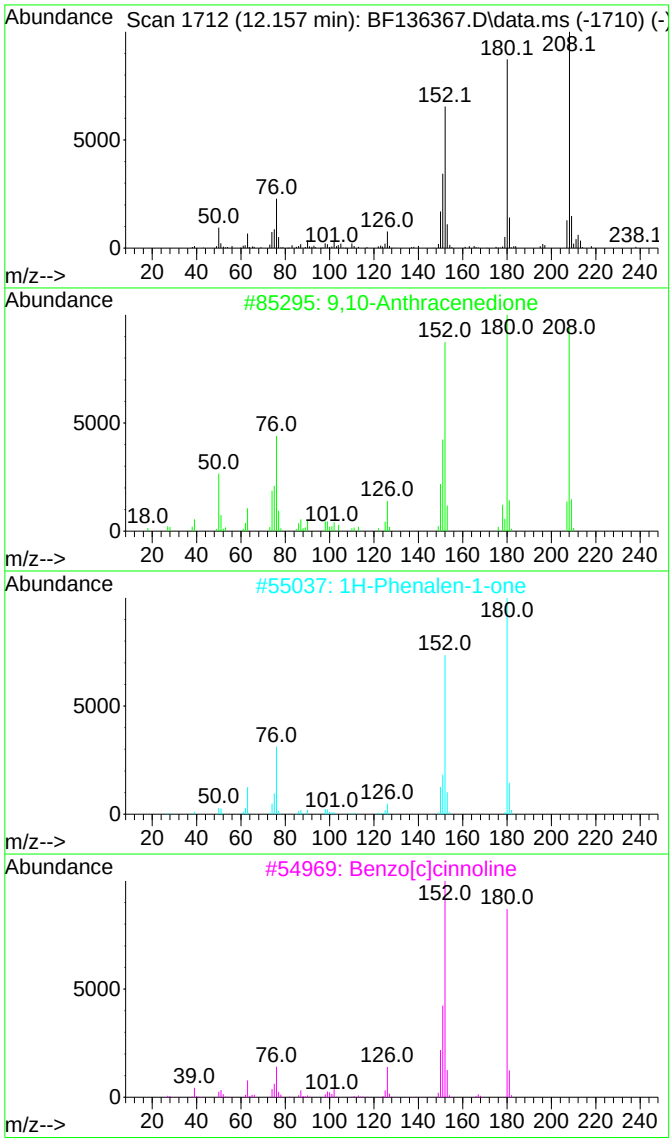
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

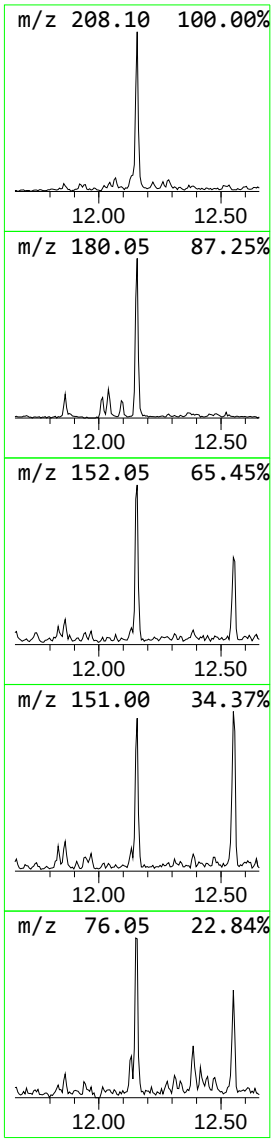
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.157	6.08 ng	176872	Phenanthrene-d10	11.327

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	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	53
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	50





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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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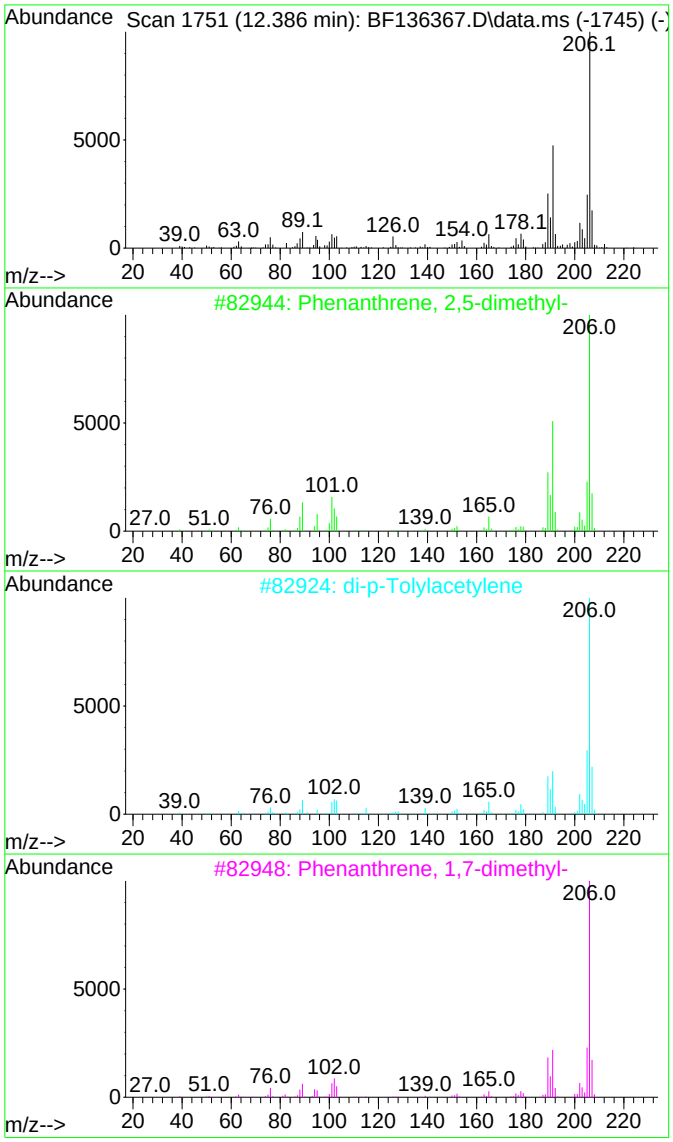
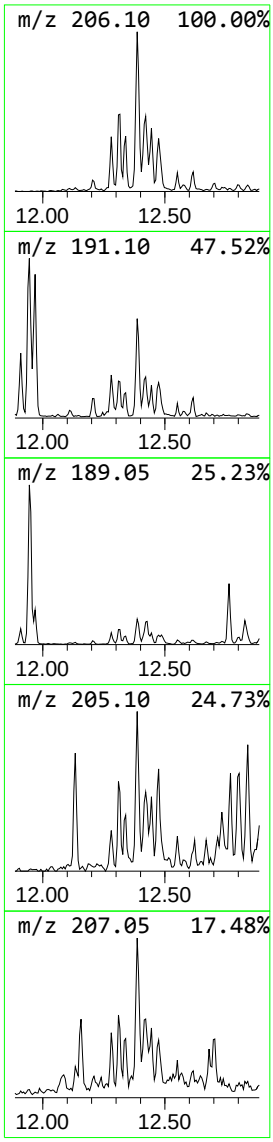
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.386	9.74 ng	283532	Phenanthrene-d10	11.327

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	95
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	94
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	89





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ALS Vial : 38 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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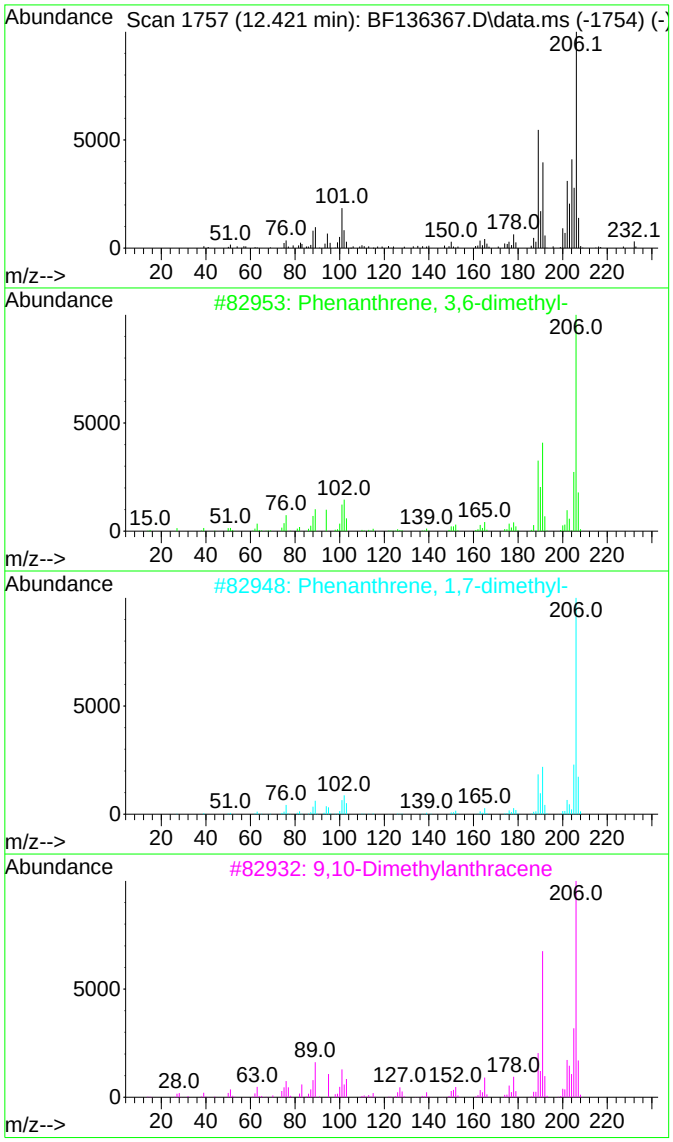
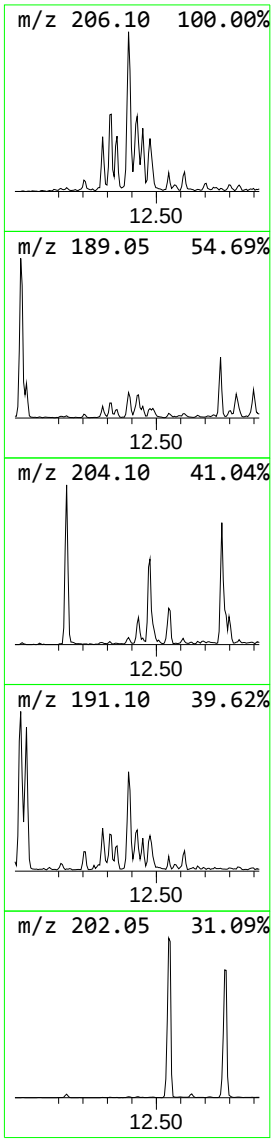
Peak Number 12 Phenanthrene, 3,6-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.421	4.70 ng	136744	Phenanthrene-d10	11.327

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	78
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	64
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	60
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	60
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	58





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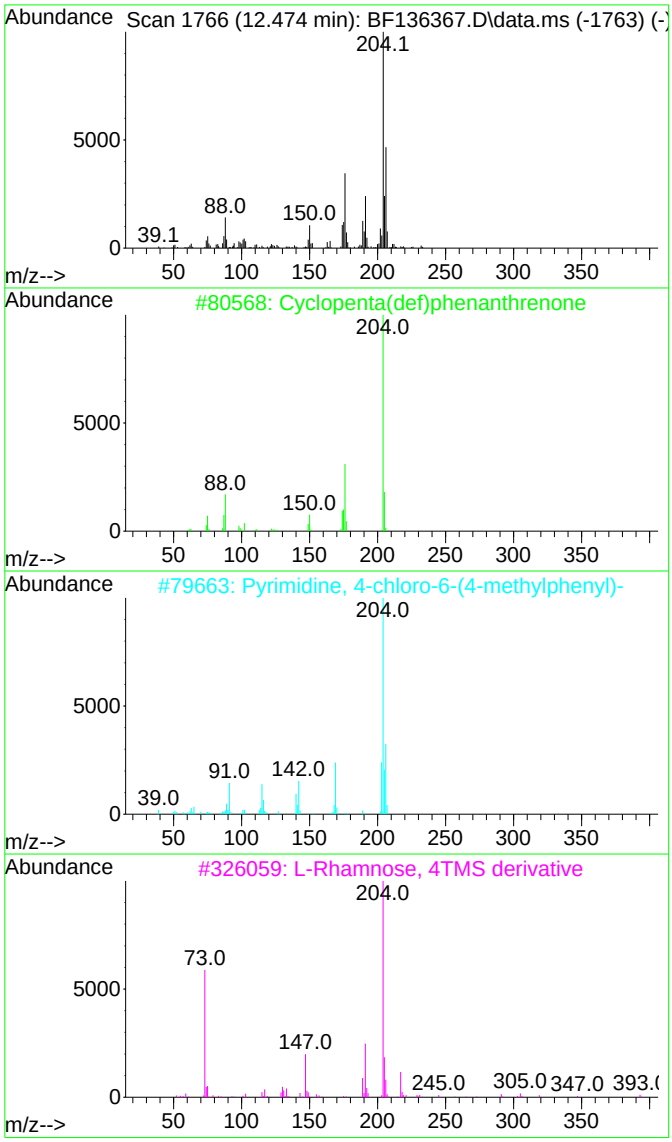
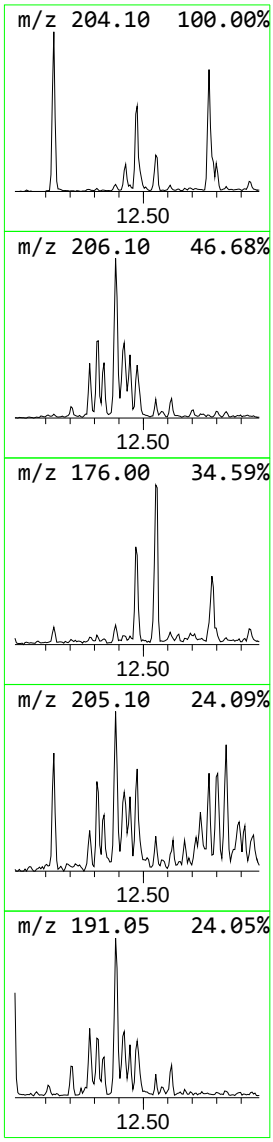
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.474	6.58 ng	191551	Phenanthrene-d10	11.327

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2	Pyrimidine, 4-chloro-6-(4-methyl...	204	C11H9ClN2	1000380-55-8	50
3	L-Rhamnose, 4TMS derivative	452	C18H44O5Si4	019127-15-2	47
4	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	47
5	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	43





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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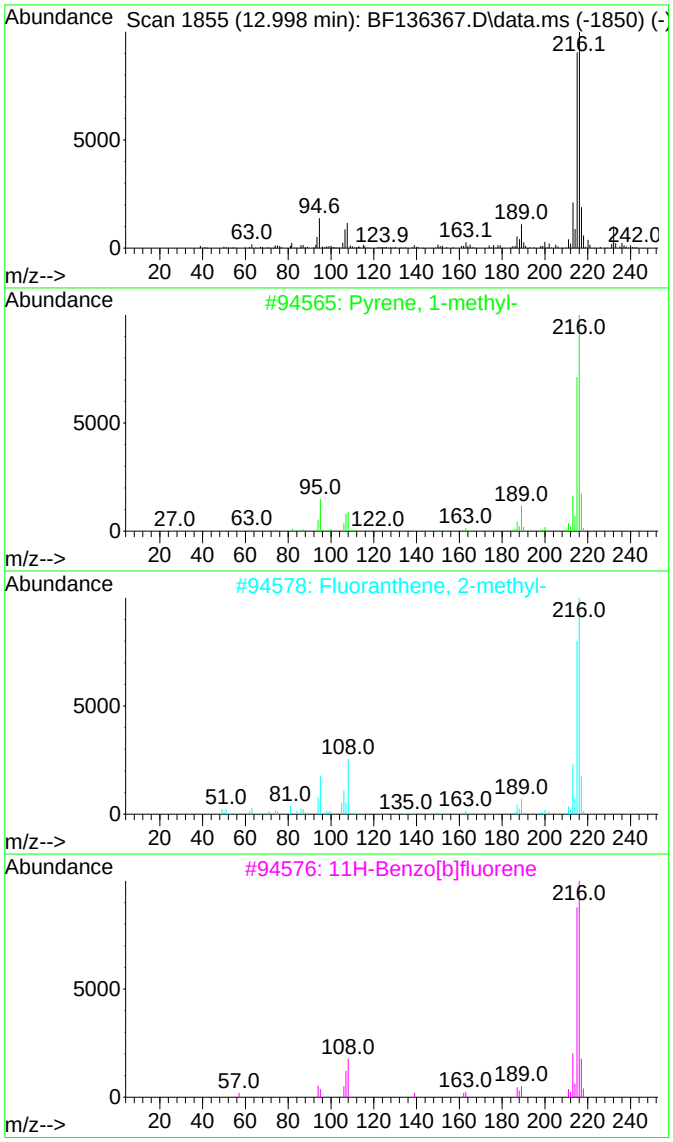
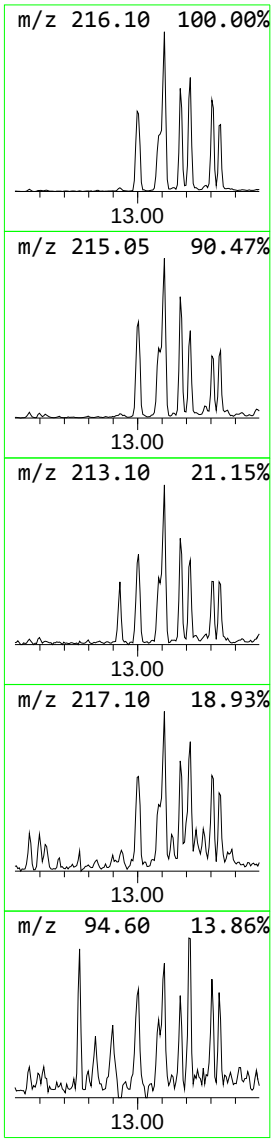
Peak Number 14 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.998	3.67 ng	335431	Chrysene-d12	13.986

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83





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

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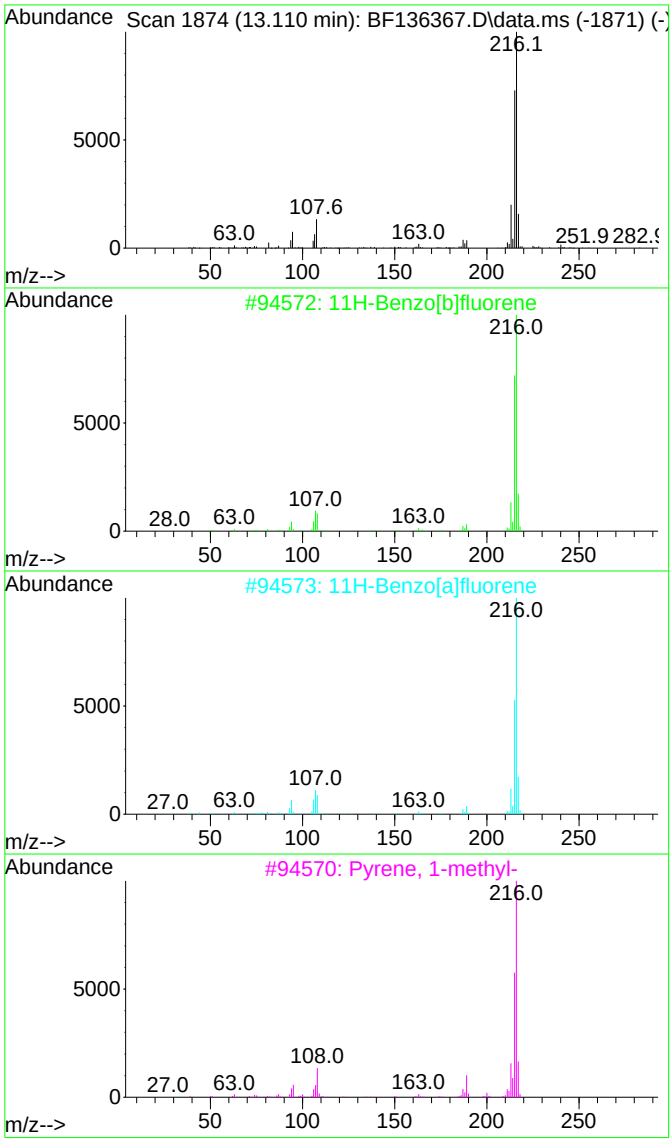
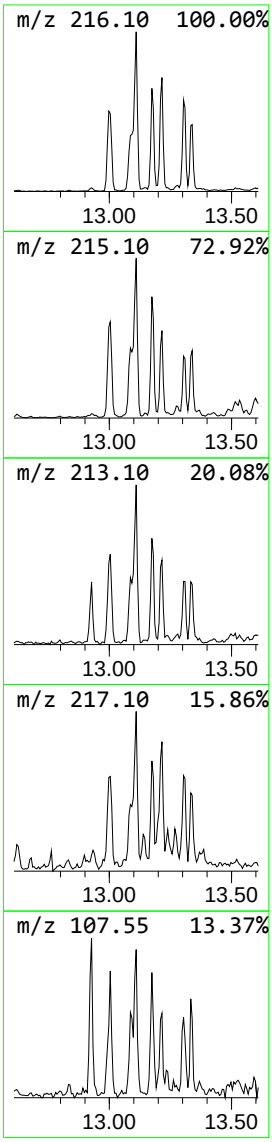
Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.110	3.64 ng	332894	Chrysene-d12	13.986

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	74
5	2-[3-Pyridyl]methylene-3-quinucl...	216	C13H16N2O	273748-56-4	59





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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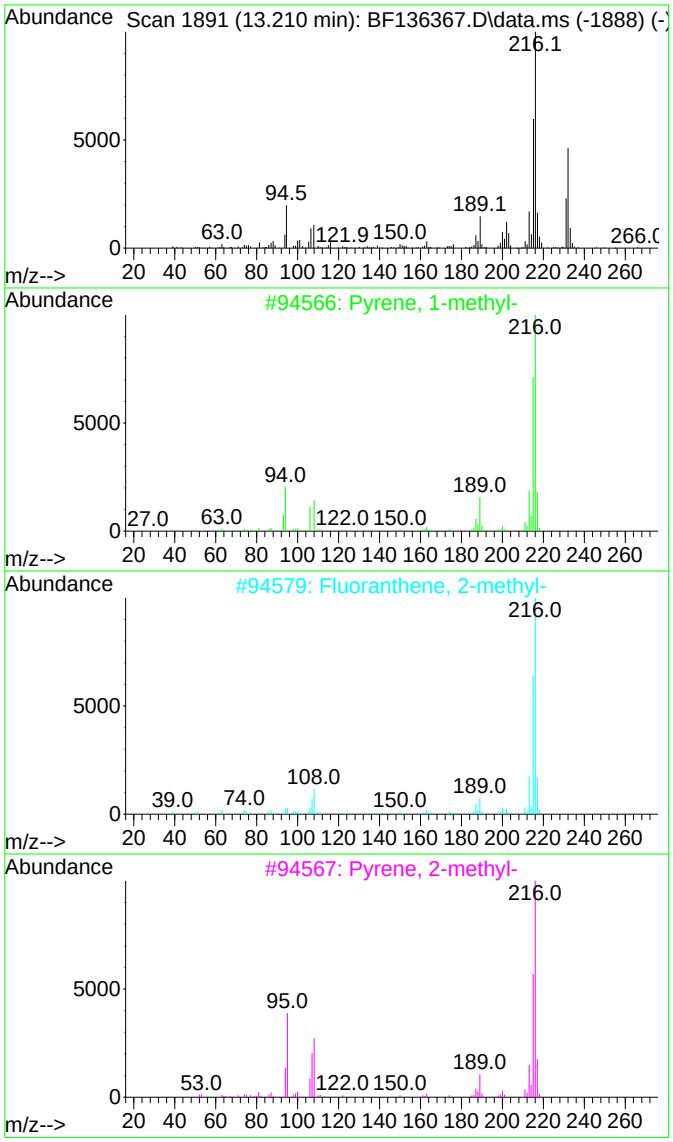
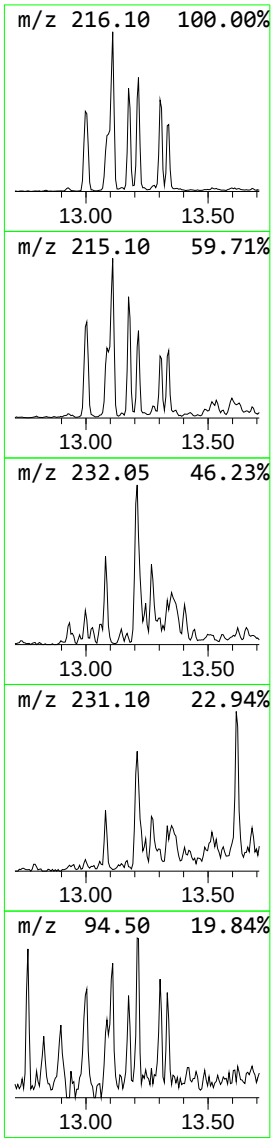
Peak Number 16 Fluoranthene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.210	3.58 ng	327961	Chrysene-d12	13.986

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	78
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	50
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	49





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ALS Vial : 38 Sample Multiplier: 1

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BNA_F
ClientSampleId :
281RE

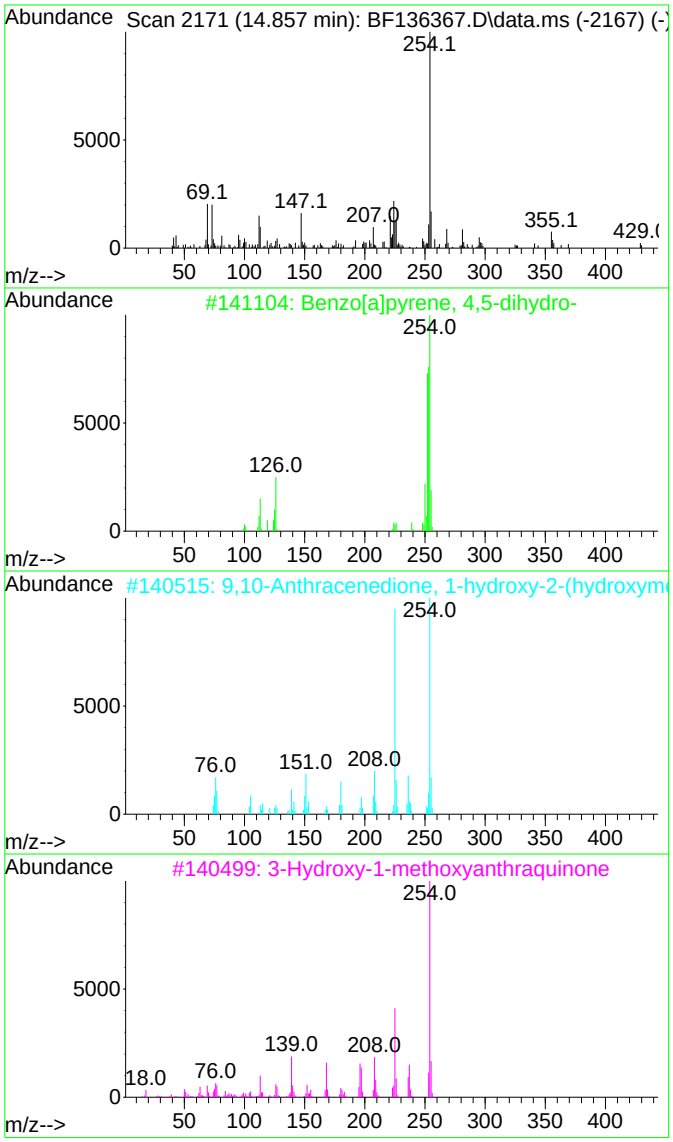
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

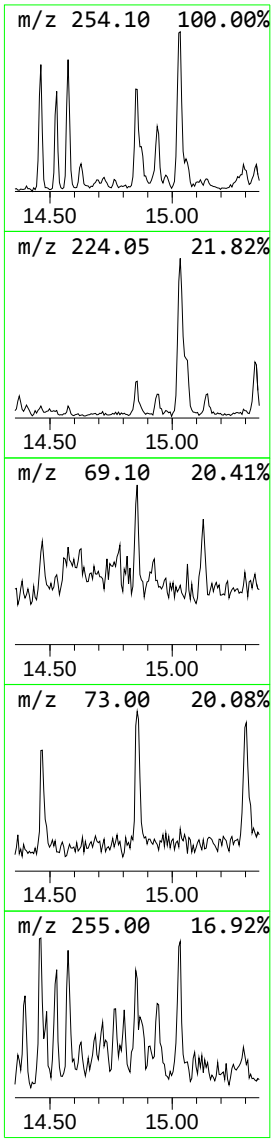
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Benzo[a]pyrene, 4,5-dihydro- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.857	6.97 ng	168041	Perylene-d12	15.468

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	50
2	9,10-Anthracenedione, 1-hydroxy-...	254	C15H10O4	024094-45-9	47
3	3-Hydroxy-1-methoxyanthraquinone	254	C15H10O4	028504-24-7	46
4	2,2'-Binaphthalene	254	C20H14	000612-78-2	46
5	4-[5-(4-Fluorophenyl)-1H-1,2,4-t...	254	C14H11FN4	1000387-34-8	43





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Operator : CG\JU
Sample : 05504-02
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
281RE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.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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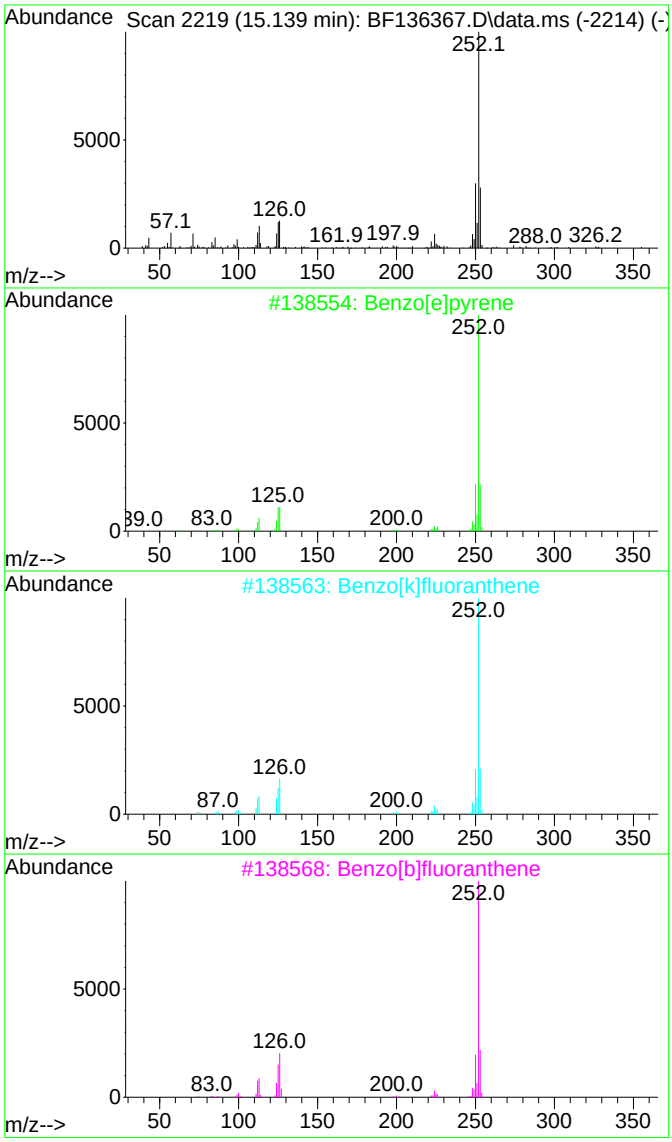
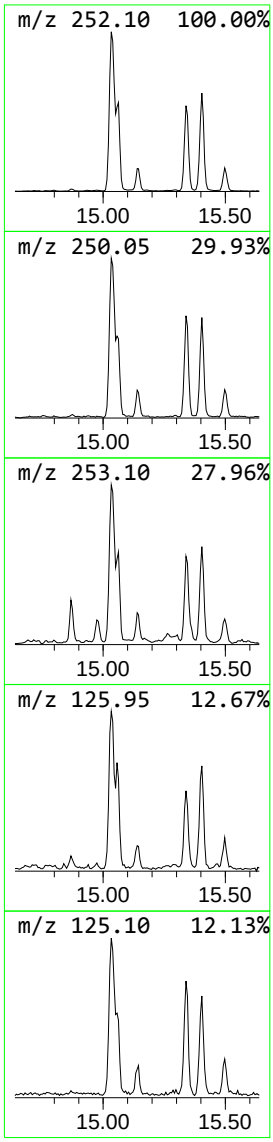
Peak Number 18 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.139	7.45 ng	179572	Perylene-d12	15.468

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	91
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	87
4	Benzo[a]pyrene	252	C20H12	000050-32-8	87
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	81





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Sample : 05504-02
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ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.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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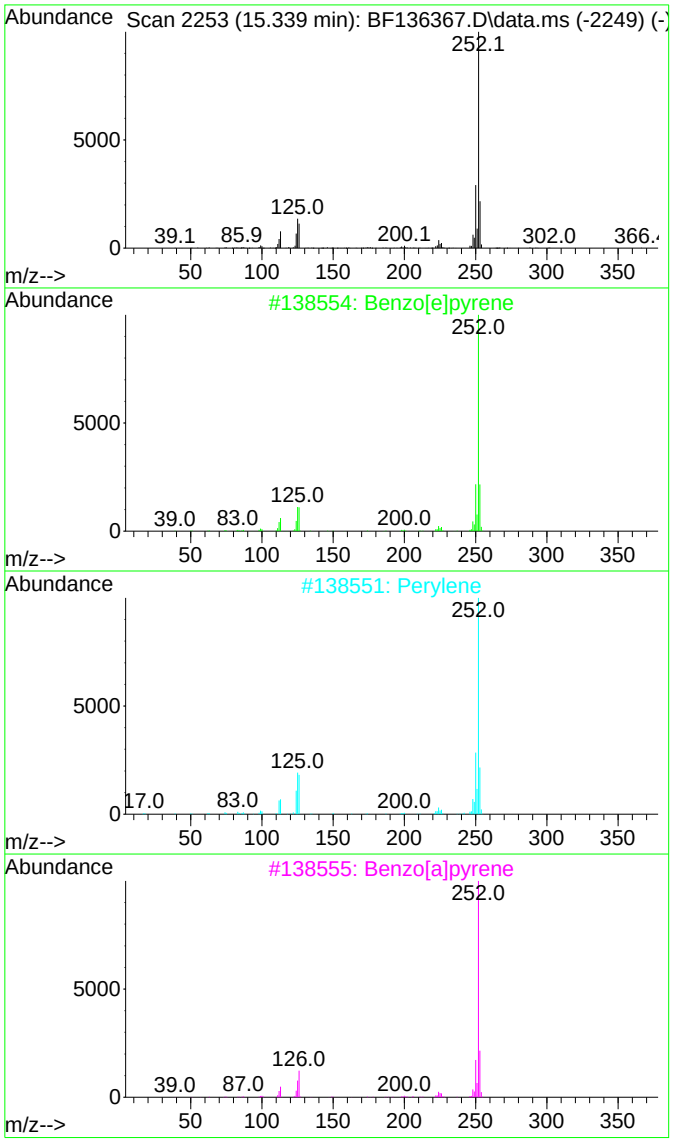
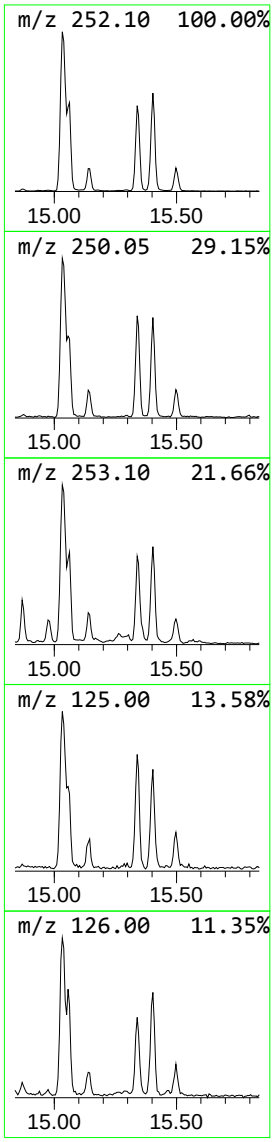
Peak Number 19 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.339	17.77 ng	428277	Perylene-d12	15.468

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Perylene	252	C20H12	000198-55-0	96
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93





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Acq On : 02 Dec 2023 08:23
Operator : CG\JU
Sample : 05504-02
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.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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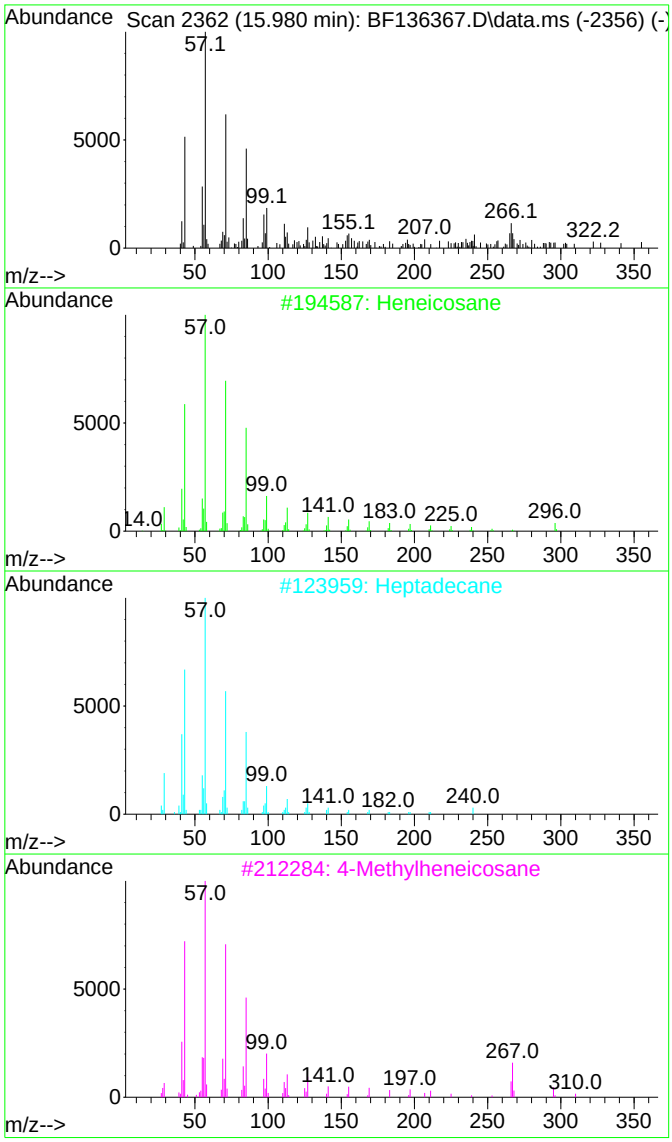
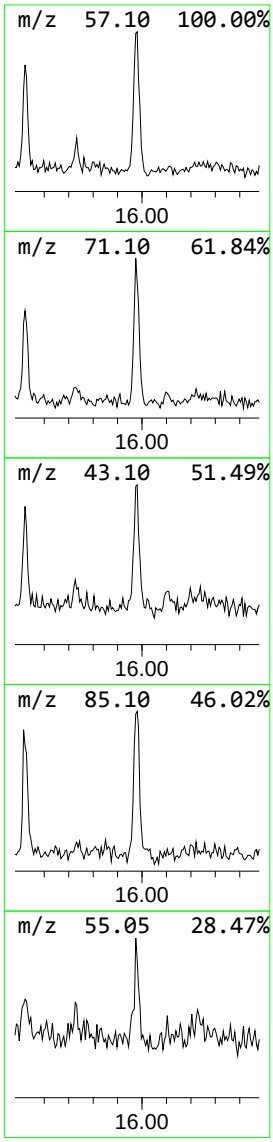
Peak Number 20 Heneicosane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.980	4.68 ng	112753	Perylene-d12	15.468

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	96
2	Heptadecane	240	C17H36	000629-78-7	86
3	4-Methylheneicosane	310	C22H46	025117-29-7	81
4	Nonadecane	268	C19H40	000629-92-5	70
5	Eicosane	282	C20H42	000112-95-8	70





Tentatively Identified Compound (LSC) summary

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Data File : BF136367.D
Acq On : 02 Dec 2023 08:23
Operator : CG\JU
Sample : 05504-02
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
281RE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.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,...	9.422	3.9	ng	118997	3	9.839	607009	20.0
Naphthalene, 2,...	9.492	4.0	ng	123022	3	9.839	607009	20.0
Dibenzothiophene	11.227	5.5	ng	159076	4	11.327	581972	20.0
Anthracene, 9-m...	11.833	10.4	ng	302694	4	11.327	581972	20.0
Phenanthrene, 2...	11.863	17.3	ng	502236	4	11.327	581972	20.0
Anthracene, 2-m...	11.910	3.9	ng	113302	4	11.327	581972	20.0
4H-Cyclopenta[d...	11.945	16.5	ng	479009	4	11.327	581972	20.0
1H-Indene, 2-ph...	11.969	6.7	ng	193590	4	11.327	581972	20.0
Naphthalene, 2-...	12.133	6.8	ng	198143	4	11.327	581972	20.0
9,10-Anthracene...	12.157	6.1	ng	176872	4	11.327	581972	20.0
Phenanthrene, 2...	12.386	9.7	ng	283532	4	11.327	581972	20.0
Phenanthrene, 3...	12.421	4.7	ng	136744	4	11.327	581972	20.0
Cyclopenta(def)...	12.474	6.6	ng	191551	4	11.327	581972	20.0
Pyrene, 1-methyl-	12.998	3.7	ng	335431	5	13.986	1829650	20.0
11H-Benzo[b]flu...	13.110	3.6	ng	332894	5	13.986	1829650	20.0
Fluoranthene, 2...	13.210	3.6	ng	327961	5	13.986	1829650	20.0
Benzo[a]pyrene,...	14.857	7.0	ng	168041	6	15.468	481972	20.0
Benzo[e]pyrene	15.139	7.5	ng	179572	6	15.468	481972	20.0
Perylene	15.339	17.8	ng	428277	6	15.468	481972	20.0
Heneicosane	15.980	4.7	ng	112753	6	15.468	481972	20.0