LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101821\
Data File : BF125890.D
Acq On : 18 Oct 2021 22:01
Operator : JU/CG
Sample : M4249-07 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP2-(S)

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-BF100721.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF125890.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.434	565	569	572	rBV	1753386	1478067	13.78%	1.010%
2	6.445	737	741	744	rBV	1728636	1438955	13.42%	0.983%
3	6.822	802	805	809	rBV	1240695	975507	9.10%	0.666%
4	7.381	896	900	903	rBV	1093277	879676	8.20%	0.601%
5	8.104	1019	1023	1025	rBV	1711253	1364030	12.72%	0.932%
6	8.916	1157	1161	1164	rBV	626476	532870	4.97%	0.364%
7	9.175	1201	1205	1208	rBV	2292988	1804569	16.83%	1.233%
8	9.445	1246	1251	1254	rBV	516167	681973	6.36%	0.466%
9	9.516	1259	1263	1265	rVV	1185394	1077552	10.05%	0.736%
10	9.539	1265	1267	1270	rVV	659052	546245	5.09%	0.373%
11	9.633	1279	1283	1284	rBV	515193	473509	4.42%	0.324%
12	9.716	1292	1297	1301	rBV	884072	767684	7.16%	0.524%
13	9.857	1318	1321	1324	rVV	1679815	1409120	13.14%	0.963%
14	9.886	1324	1326	1329	rVV	867876	721169	6.73%	0.493%
15	10.057	1349	1355	1359	rVV	999227	949140	8.85%	0.648%
16	10.098	1359	1362	1365	rVB	781982	588175	5.49%	0.402%
17	10.169	1370	1374	1377	rBV2	586648	622059	5.80%	0.425%
18	10.263	1385	1390	1392	rVV	390195	544738	5.08%	0.372%
19	10.404	1410	1414	1419	rVV2	1339487	1440033	13.43%	0.984%
20	10.469	1419	1425	1427	rVV2	338934	541730	5.05%	0.370%
21	10.557	1437	1440	1446	rVV2	483197	650108	6.06%	0.444%
22	10.639	1449	1454	1458	rVV2	1484056	1424225	13.28%	0.973%
23	10.769	1471	1476	1481	rVB3	437330	492568	4.59%	0.337%
24	10.951	1501	1507	1509	rVV2	785061	990752	9.24%	0.677%
25	10.975	1509	1511	1514	rVV2	584311	557906	5.20%	0.381%
26	11.033	1518	1521	1524	rVV	419016	401093	3.74%	0.274%
27	11.080	1524	1529	1531	rVV2	307932	510932	4.76%	0.349%
28	11.145	1537	1540	1544	rVV2	535461	577373	5.38%	0.394%
29	11.186	1544	1547	1553	rVV4	277326	499003	4.65%	0.341%
30	11.233	1553	1555	1561	rVB	774549	772166	7.20%	0.528%
31	11.339	1569	1573	1575	rBV	1197398	1278626	11.92%	0.874%
32	11.375	1575	1579	1581	rVV	6460512	6692227	62.41%	4.572%
33	11.416	1583	1586	1589	rVV	1804282	1366856	12.75%	0.934%
34	11.445	1589	1591	1595	rVV2	394423	478783	4.46%	0.327%
35	11.669	1626	1629	1634	rVB	998472	951605	8.87%	0.650%
36	11.757	1641	1644	1647	rVB	612110	641718	5.98%	0.438%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101821\
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Acq On : 18 Oct 2021 22:01
Operator : JU/CG
Sample : M4249-07 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP2-(S)

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-BF100721.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.845	1655	1659	1661	rBV	3068367	2792535	26.04%	1.908%
38	11.875	1661	1664	1667	rVB	3986835	3311456	30.88%	2.262%
39	11.916	1667	1671	1674	rBV	795333	811605	7.57%	0.554%
40	11.957	1674	1678	1680	rBV	3585547	3663355	34.16%	2.503%
41	11.980	1680	1682	1685	rVB	2697967	1947849	18.16%	1.331%
42	12.139	1706	1709	1711	rBV	1602444	1440024	13.43%	0.984%
43	12.163	1711	1713	1719	rVB2	1147285	1250705	11.66%	0.854%
44	12.286	1732	1734	1737	rVB	883134	658582	6.14%	0.450%
45	12.322	1737	1740	1742	rBV	1182210	1088950	10.16%	0.744%
46	12.339	1742	1743	1746	rVB	962634	752693	7.02%	0.514%
47	12.398	1746	1753	1755	rBV	2474274	3016956	28.13%	2.061%
48	12.427	1755	1758	1761	rVV2	1144396	1452650	13.55%	0.992%
49	12.451	1761	1762	1764	rVB	890238	472737	4.41%	0.323%
50	12.480	1764	1767	1772	rBV2	1517493	1850621	17.26%	1.264%
51	12.569	1776	1782	1785	rVB	6586691	8085579	75.40%	5.524%
52	12.598	1785	1787	1789	rBV	538524	558731	5.21%	0.382%
53	12.622	1789	1791	1793	rVB2	498966	407111	3.80%	0.278%
54	12.692	1799	1803	1804	rBV3	456706	525055	4.90%	0.359%
55	12.798	1814	1821	1825	rBV2	7032505	10723204	100.00%	7.326%
56	12.839	1825	1828	1832	rVB3	1077779	1367740	12.75%	0.934%
57	12.898	1832	1838	1840	rBV2	846259	1321052	12.32%	0.903%
58	12.921	1840	1842	1845	rBV	1563721	1392528	12.99%	0.951%
59	13.004	1850	1856	1863	rBV4	1540313	2666854	24.87%	1.822%
60	13.057	1863	1865	1867	rBV	500612	408682	3.81%	0.279%
61	13.086	1867	1870	1872	rBV2	1137723	1395983	13.02%	0.954%
62	13.110	1872	1874	1877	rVB	2149787	2036112	18.99%	1.391%
63	13.180	1877	1886	1888	rBV	1432697	1799805	16.78%	1.230%
64	13.216	1888	1892	1895	rBV2	2167119	2210310	20.61%	1.510%
65	13.310	1904	1908	1910	rVV	1840641	1607579	14.99%	1.098%
66	13.339	1910	1913	1916	rVV	1791808	1608039	15.00%	1.099%
67	13.369	1916	1918	1922	rVB4	365903	422085	3.94%	0.288%
68	13.421	1924	1927	1930	rVB3	338372	422863	3.94%	0.289%
69	13.516	1940	1943	1944	rVV	415605	487115	4.54%	0.333%
70	13.616	1957	1960	1965	rVB	1253564	1522343	14.20%	1.040%
71	13.680	1968	1971	1974	rVB	482231	410209	3.83%	0.280%
72	13.727	1974	1979	1982	rBV2	1363664	2026674	18.90%	1.385%
73	13.757	1982	1984	1986	rVV	1238055	1014633	9.46%	0.693%
74	13.780	1986	1988	1992	rVV2	834690	1076982	10.04%	0.736%
75	13.827	1993	1996	2000	rVB	1213133	1210912	11.29%	0.827%
76	13.974	2015	2021	2024	rBV2	4570967	6691468	62.40%	4.572%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101821\
Data File : BF125890.D
Acq On : 18 Oct 2021 22:01
Operator : JU/CG
Sample : M4249-07 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP2-(S)

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-BF100721.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.016	2024	2028	2034	rVB	4568779	5233442	48.80%	3.576%
78	14.121	2043	2046	2048	rBV	472077	449004	4.19%	0.307%
79	14.198	2056	2059	2063	rBV3	319045	497661	4.64%	0.340%
80	14.327	2079	2081	2083	rBV	483130	437139	4.08%	0.299%
81	14.368	2083	2088	2091	rVV	1746959	2091900	19.51%	1.429%
82	14.398	2091	2093	2096	rVV	1111554	999790	9.32%	0.683%
83	14.439	2097	2100	2101	rVV2	416527	498180	4.65%	0.340%
84	14.457	2101	2103	2106	rVV2	630253	730484	6.81%	0.499%
85	14.492	2106	2109	2111	rVV	955144	991610	9.25%	0.677%
86	14.510	2111	2112	2115	rVV	710627	507130	4.73%	0.346%
87	14.557	2116	2120	2126	rVB3	459429	605928	5.65%	0.414%
88	14.698	2141	2144	2149	rVV3	299507	504464	4.70%	0.345%
89	14.780	2155	2158	2162	rVB2	378141	479507	4.47%	0.328%
90	14.857	2163	2171	2174	rBV3	358125	772345	7.20%	0.528%
91	15.021	2192	2199	2201	rBV	2499583	4343685	40.51%	2.968%
92	15.115	2212	2215	2219	rVB	641786	614816	5.73%	0.420%
93	15.221	2227	2233	2237	rBV4	171032	402903	3.76%	0.275%
94	15.310	2243	2248	2254	rVB	1632969	2264461	21.12%	1.547%
95	15.374	2254	2259	2264	rVB	2349432	3068776	28.62%	2.097%
96	15.433	2264	2269	2271	rBV	663280	885303	8.26%	0.605%
97	15.463	2271	2274	2280	rVB2	706871	1030804	9.61%	0.704%
98	16.874	2507	2514	2521	rVB2	963680	1897656	17.70%	1.296%
99	17.309	2581	2588	2597	rVB	748228	1529423	14.26%	1.045%
100	17.533	2621	2626	2640	rVB2	194256	499276	4.66%	0.341%

Sum of corrected areas: 146368795

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101821\
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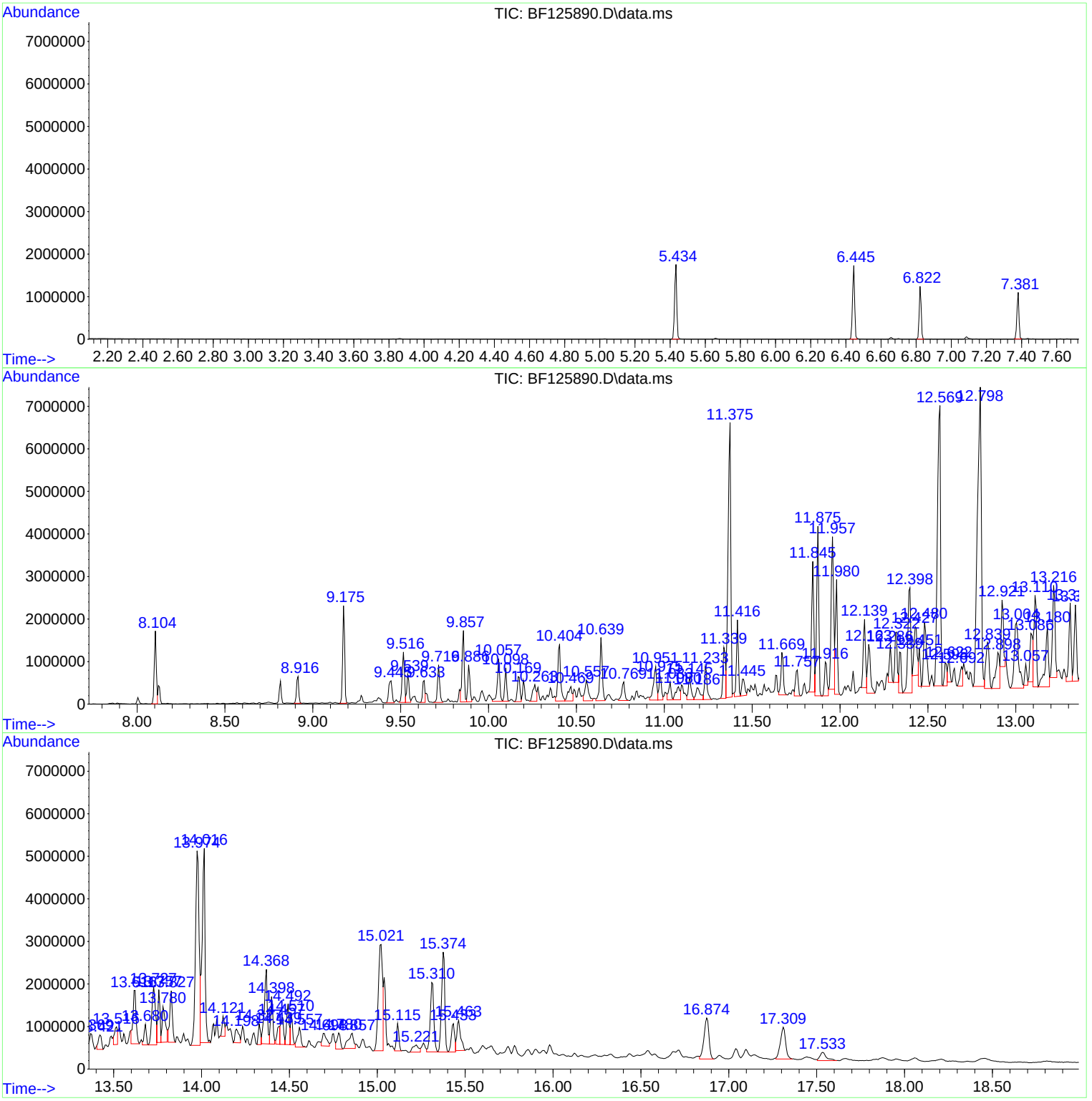
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP2-(S)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.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\BF101821\
Data File : BF125890.D
Acq On : 18 Oct 2021 22:01
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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP2-(S)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

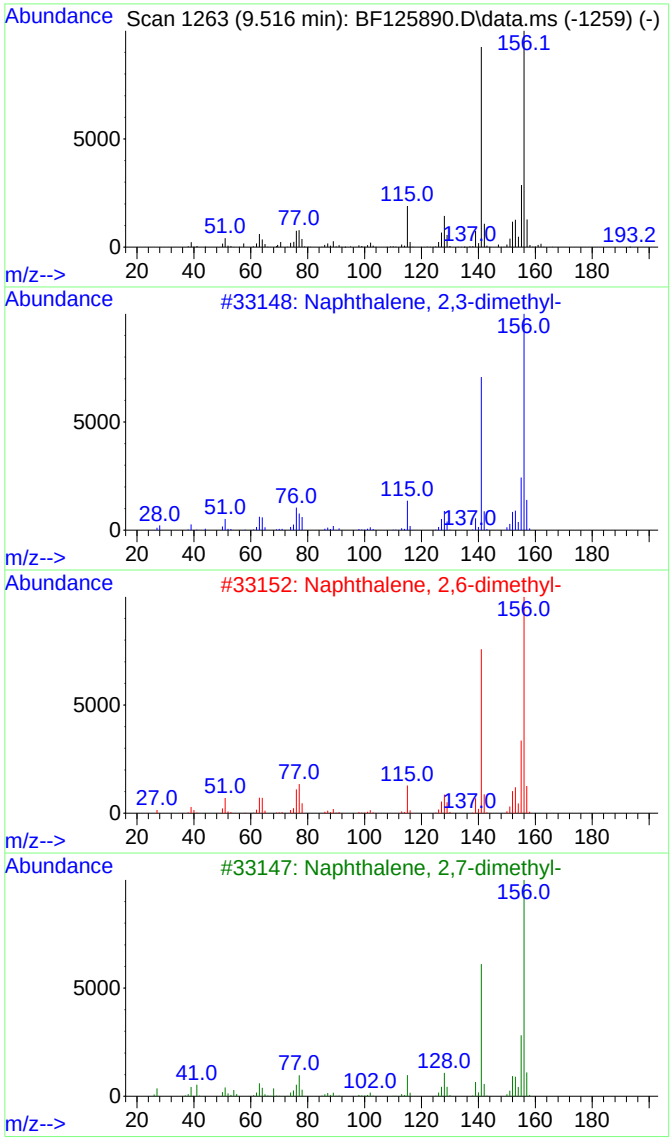
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

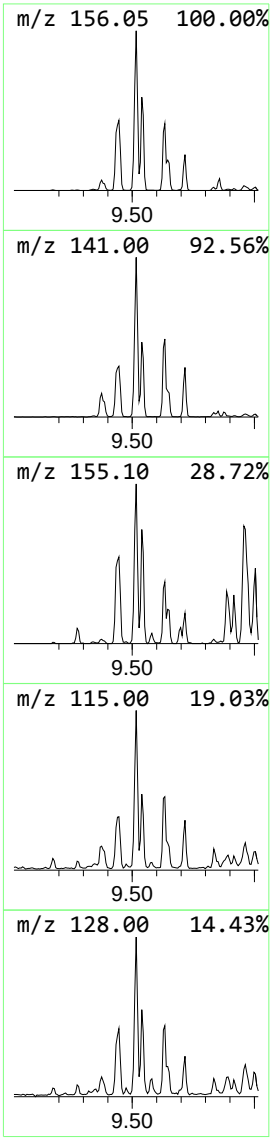
****

Peak Number 1 Naphthalene, 2,3-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.516	15.29 ng	1077550	Acenaphthene-d10	9.857

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101821\
Data File : BF125890.D
Acq On : 18 Oct 2021 22:01
Operator : JU/CG
Sample : M4249-07 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP2-(S)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

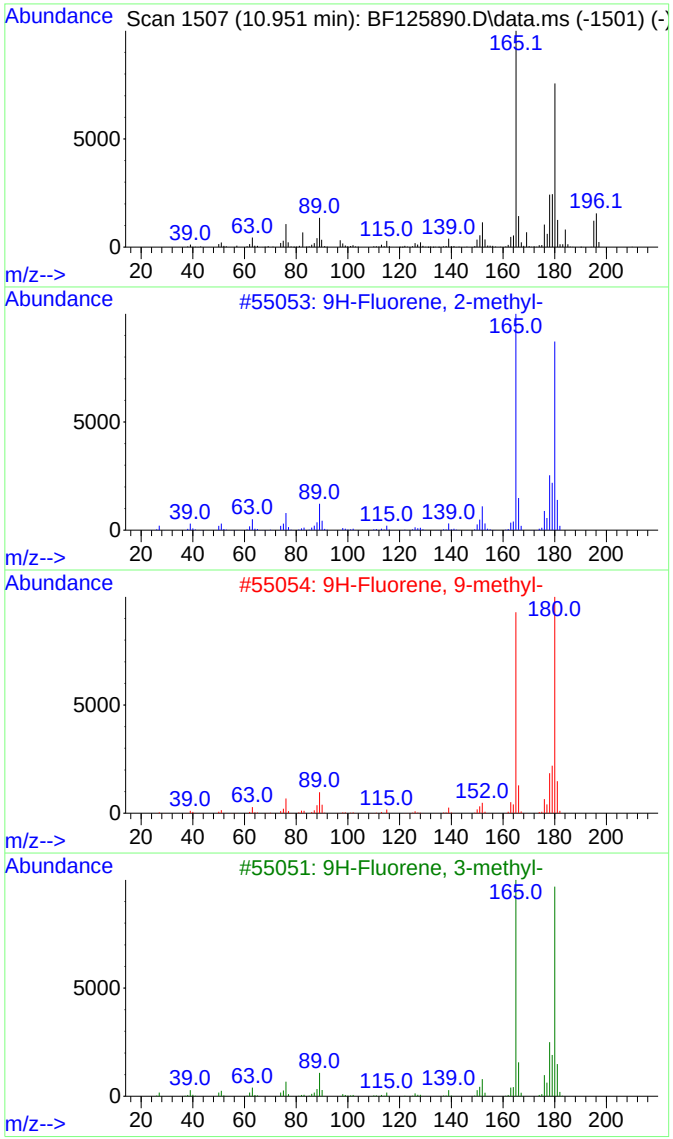
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

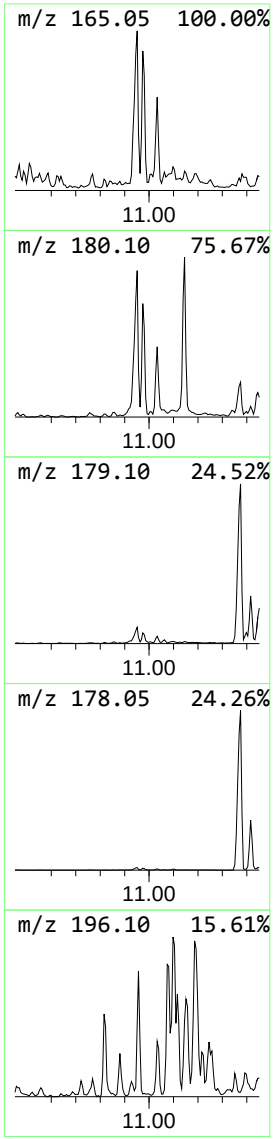
****

Peak Number 2 9H-Fluorene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.951	15.50 ng	990752	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	95
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	94
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	89
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101821\
Data File : BF125890.D
Acq On : 18 Oct 2021 22:01
Operator : JU/CG
Sample : M4249-07 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP2-(S)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.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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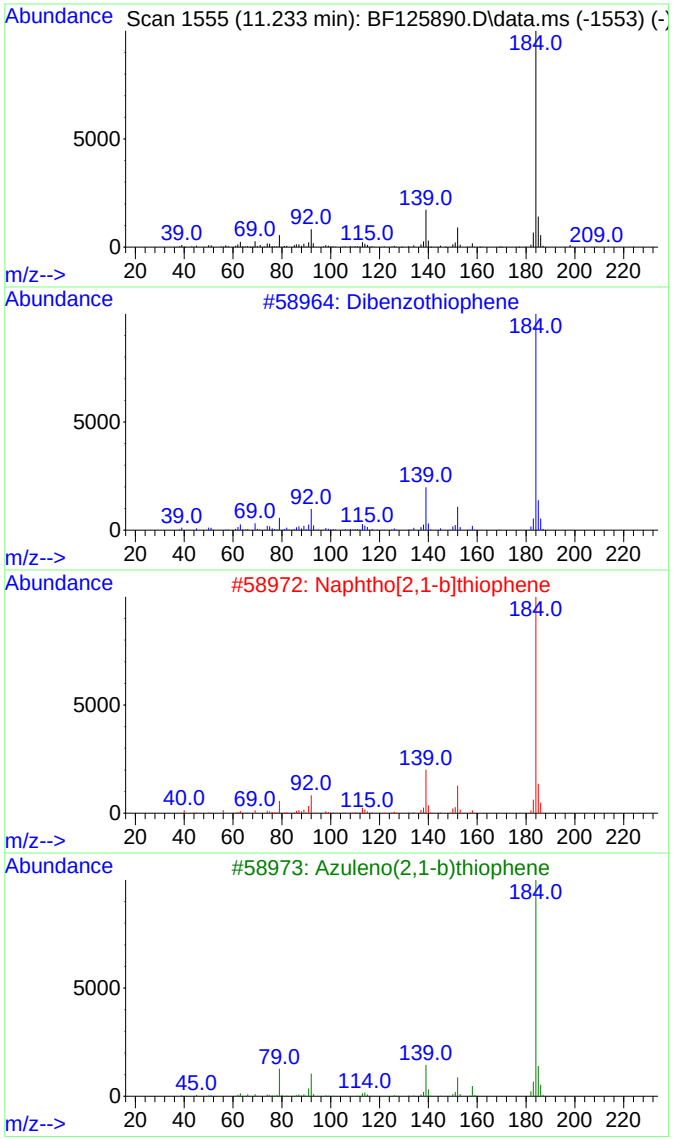
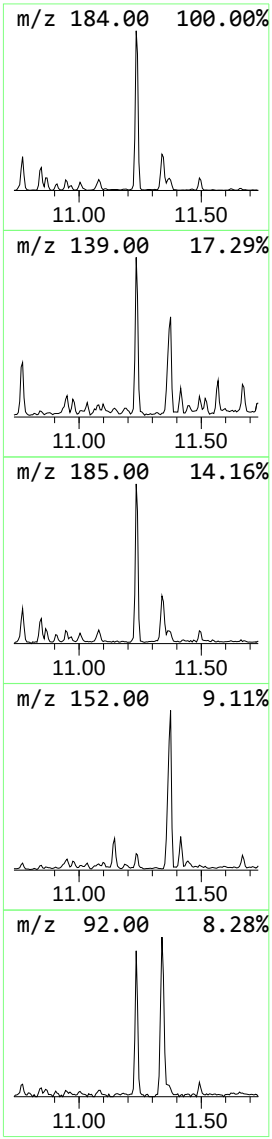
Peak Number 3 Dibenzothiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.233	12.08 ng	772166	Phenanthrene-d10	11.339

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	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101821\
Data File : BF125890.D
Acq On : 18 Oct 2021 22:01
Operator : JU/CG
Sample : M4249-07 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP2-(S)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.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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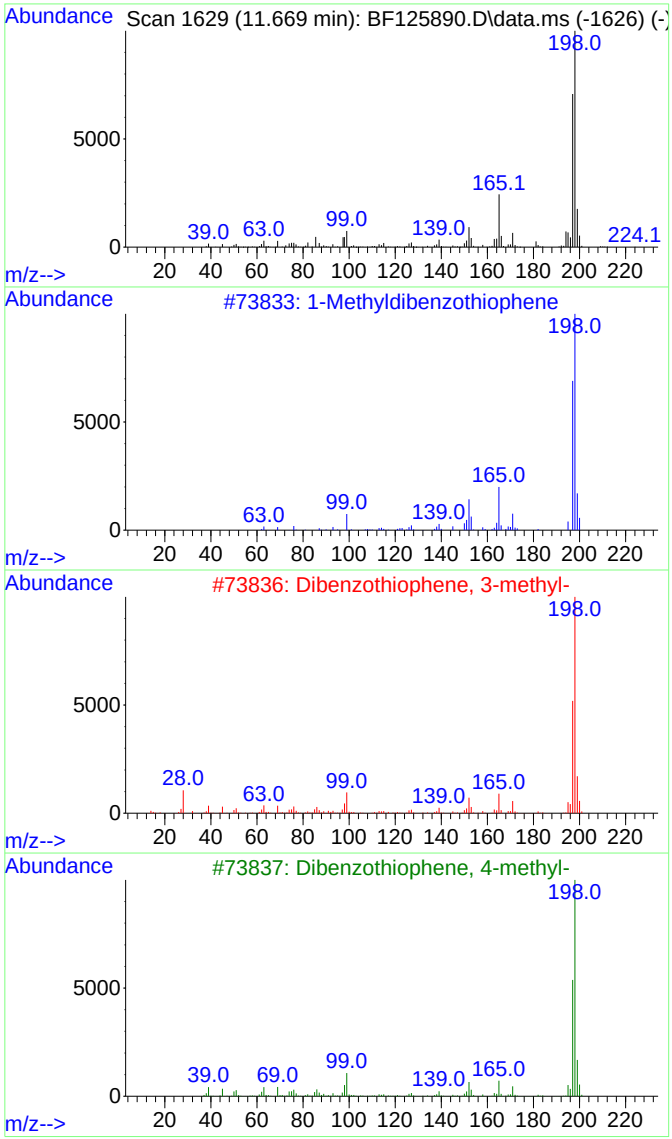
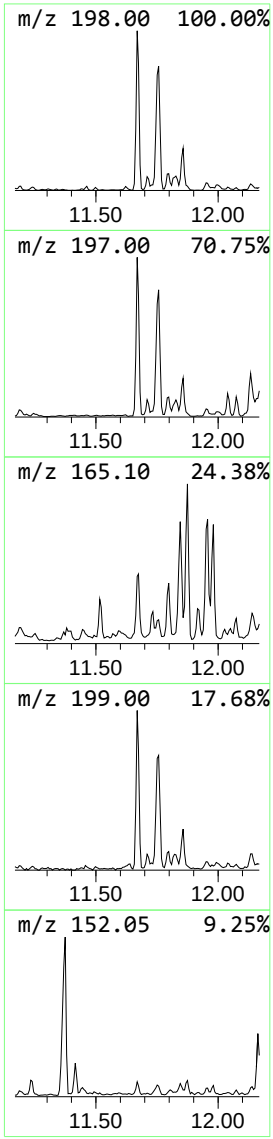
Peak Number 4 1-Methyldibenzothiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.669	14.88 ng	951605	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	93
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	93
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	93
4	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	90
5	Thioxanthene	198	C13H10S	000261-31-4	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101821\
Data File : BF125890.D
Acq On : 18 Oct 2021 22:01
Operator : JU/CG
Sample : M4249-07 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP2-(S)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.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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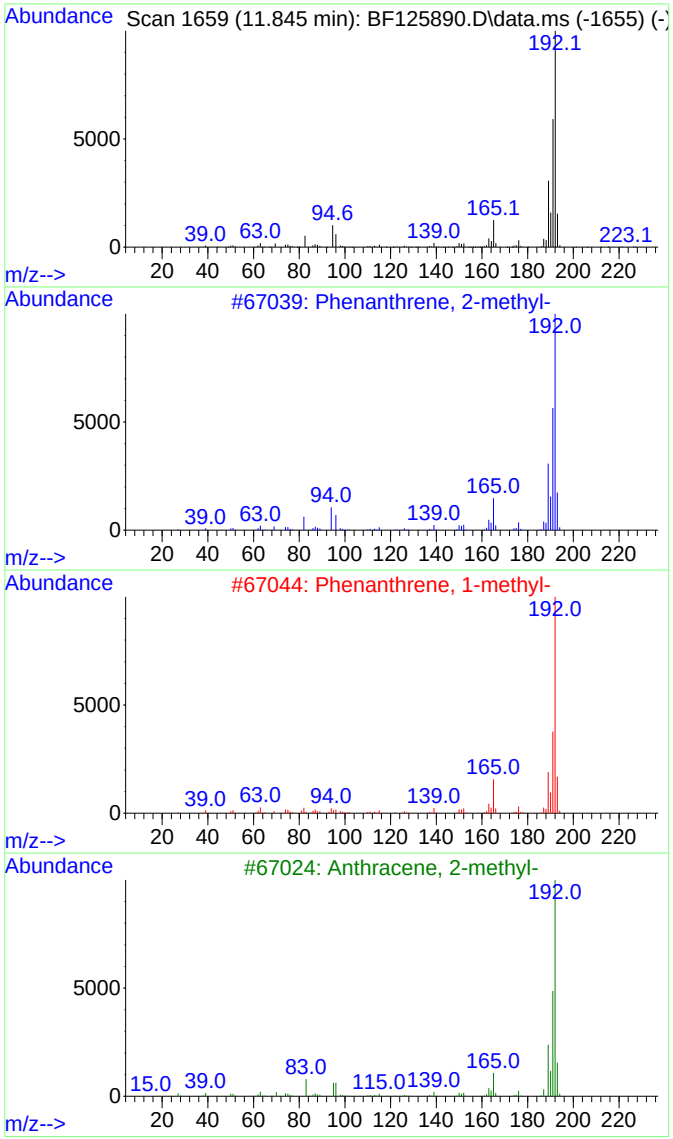
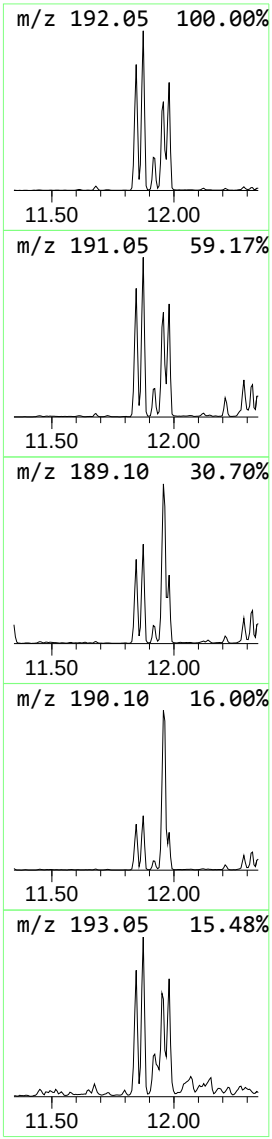
Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.845	43.68 ng	2792540	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Acq On : 18 Oct 2021 22:01
Operator : JU/CG
Sample : M4249-07 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP2-(S)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

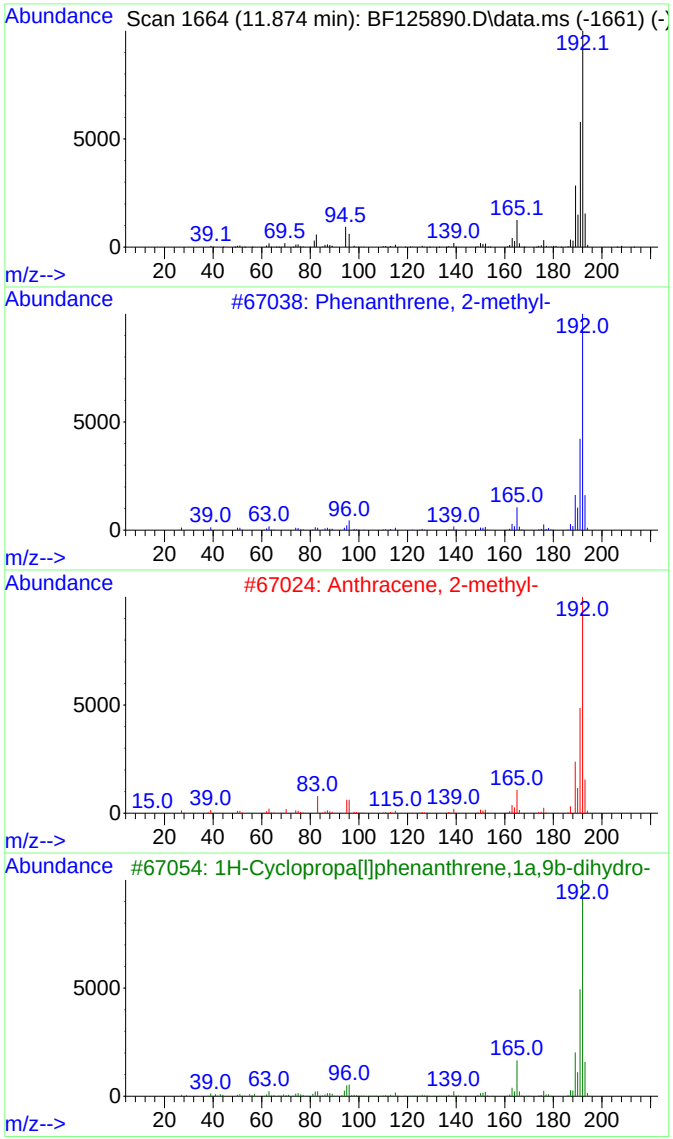
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

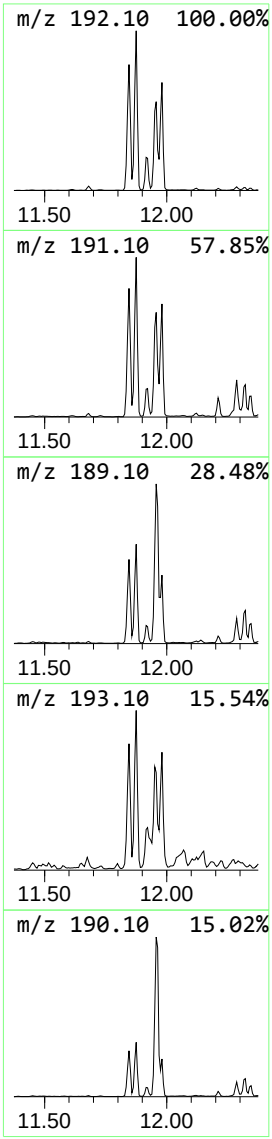
****

Peak Number 6 Anthracene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.874	51.80 ng	3311460	Phenanthrene-d10	11.339

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	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94





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Sample : M4249-07 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP2-(S)

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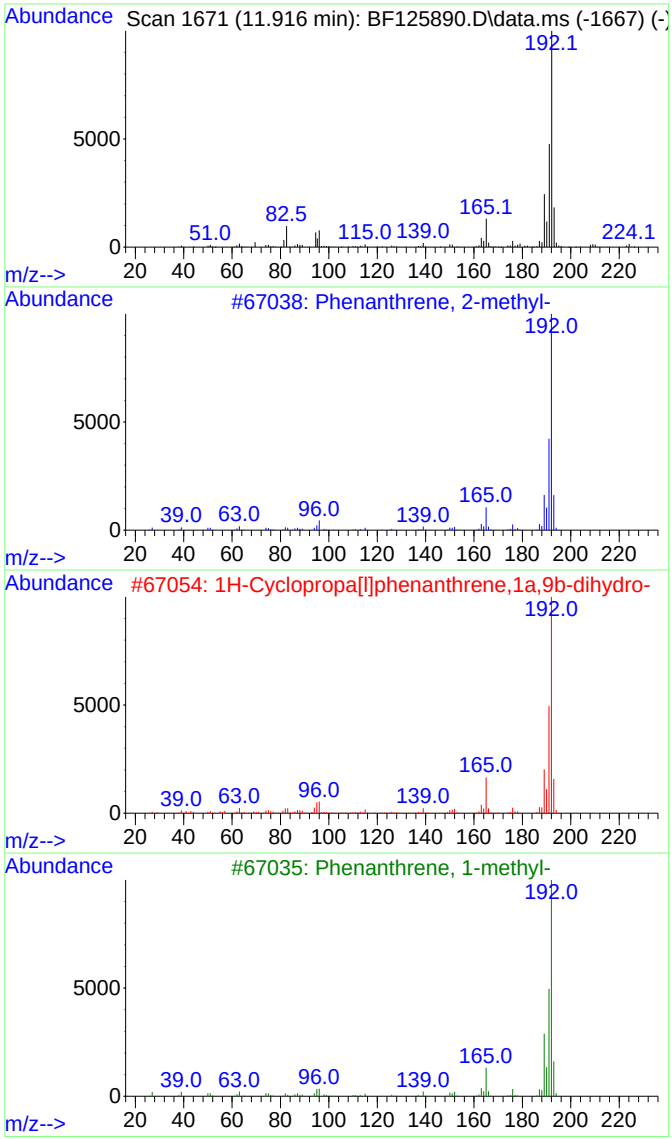
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

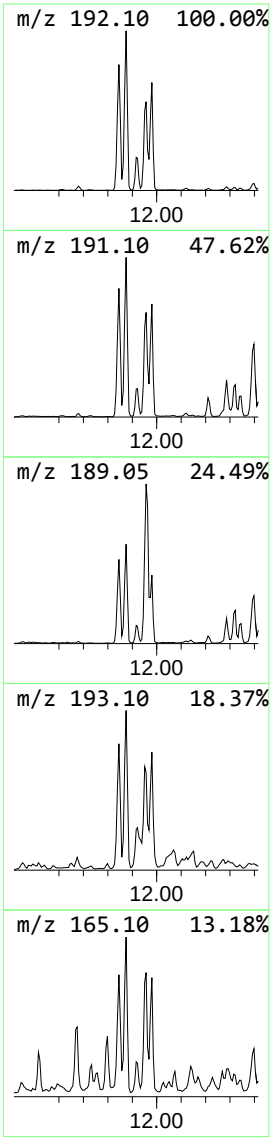
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 1H-Cyclopropa[l]phenanthren... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.916	12.70 ng	811605	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





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ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TP2-(S)

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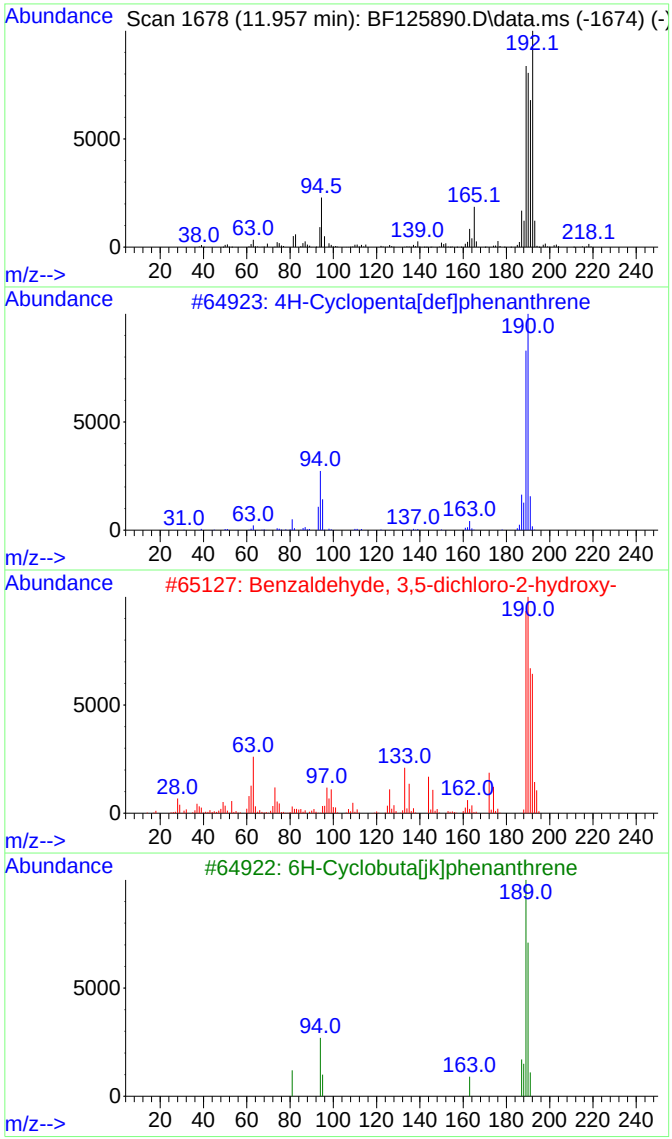
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

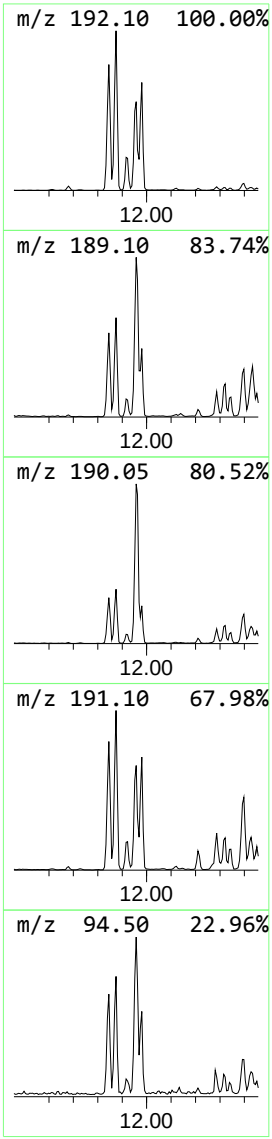
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.957	57.30 ng	3663360	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	53
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
4	4-Bromothiophene-2-aldehyde	190	C5H3BrOS	018791-75-8	47
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	42





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Sample : M4249-07 2X
Misc :
ALS Vial : 21 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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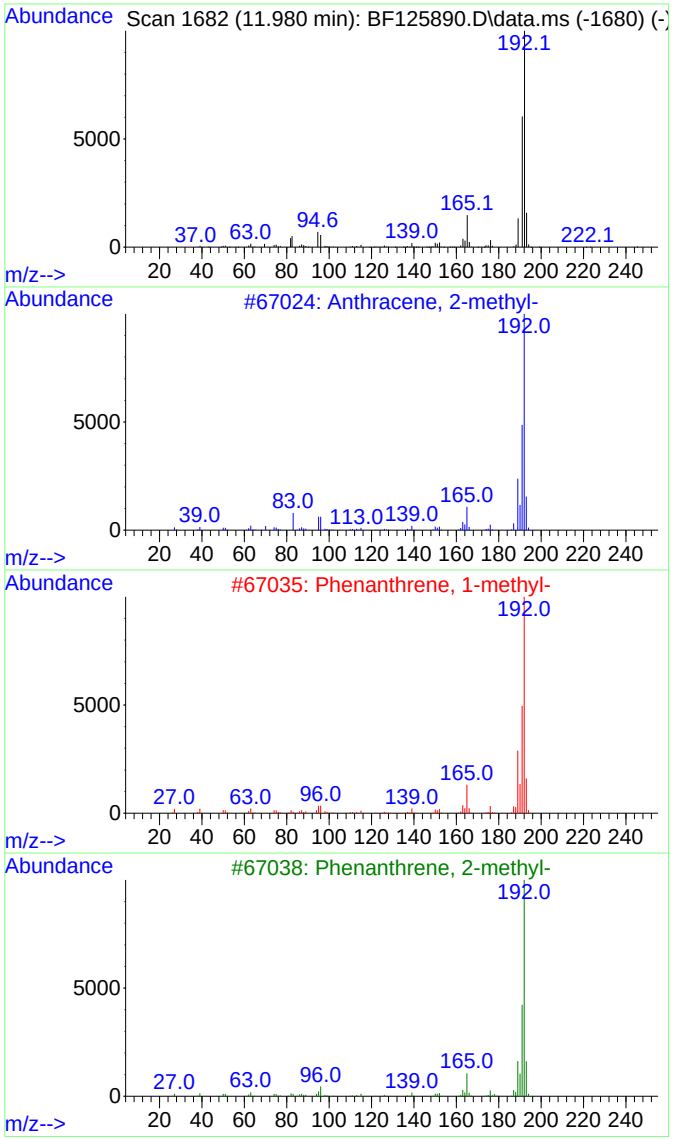
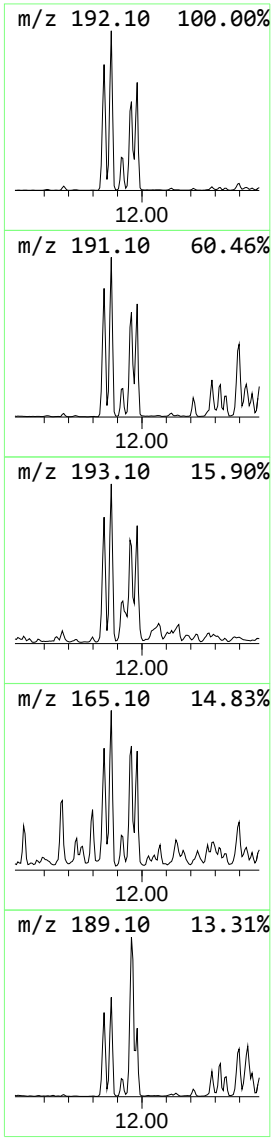
Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.980	30.47 ng	1947850	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90





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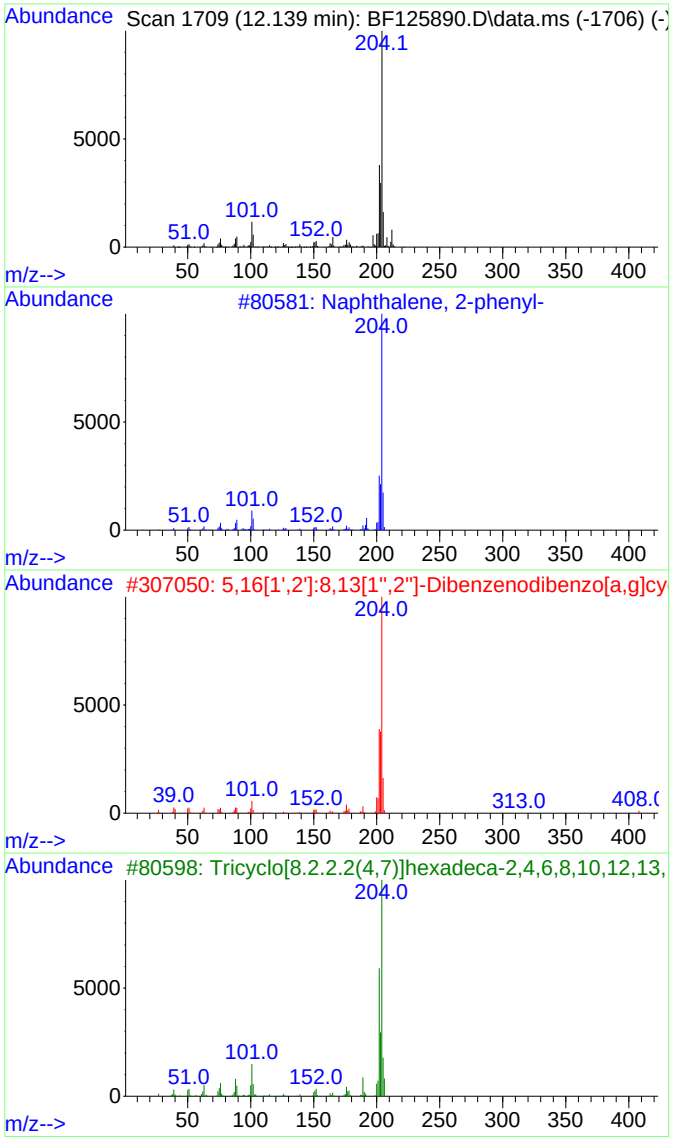
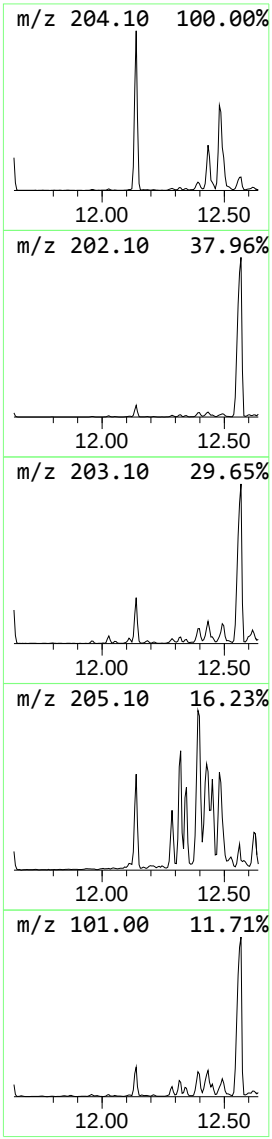
Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.139	22.52 ng	1440020	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
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	74
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	52





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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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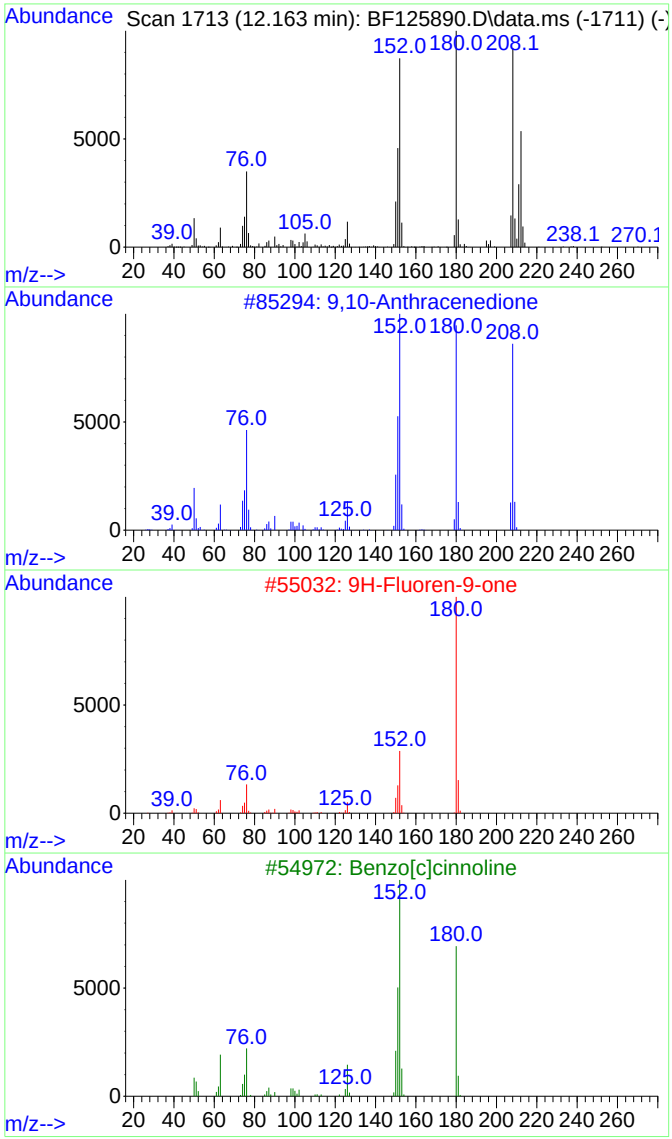
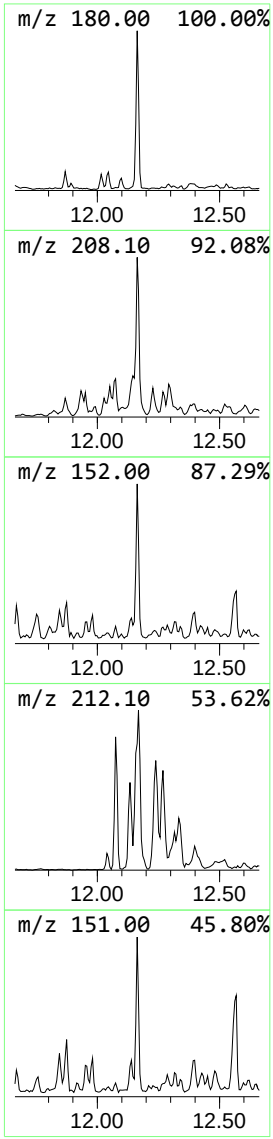
Peak Number 11 9,10-Anthracenedione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.163	19.56 ng	1250710	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	55
4	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	50
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	50





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Misc :
ALS Vial : 21 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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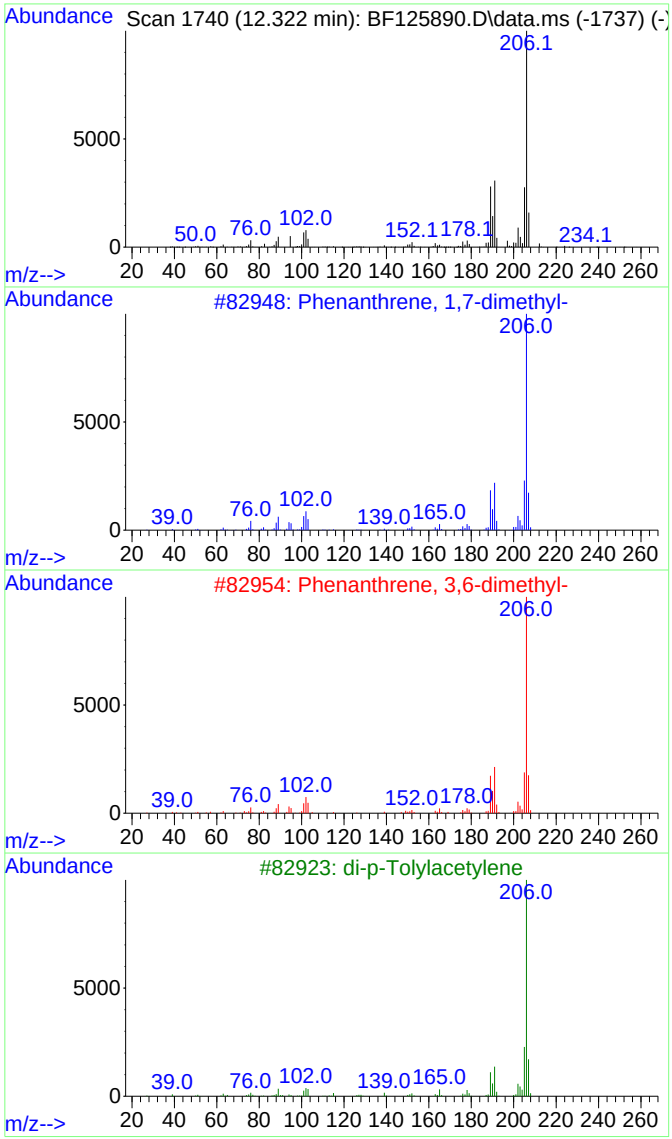
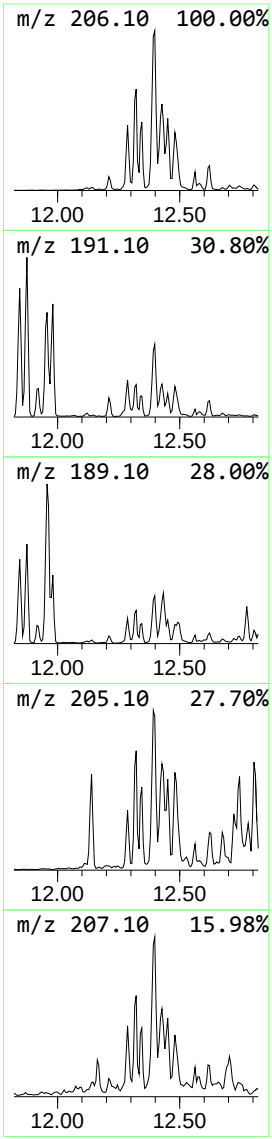
Peak Number 12 Phenanthrene, 1,7-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.322	17.03 ng	1088950	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	94
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	74





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Sample : M4249-07 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP2-(S)

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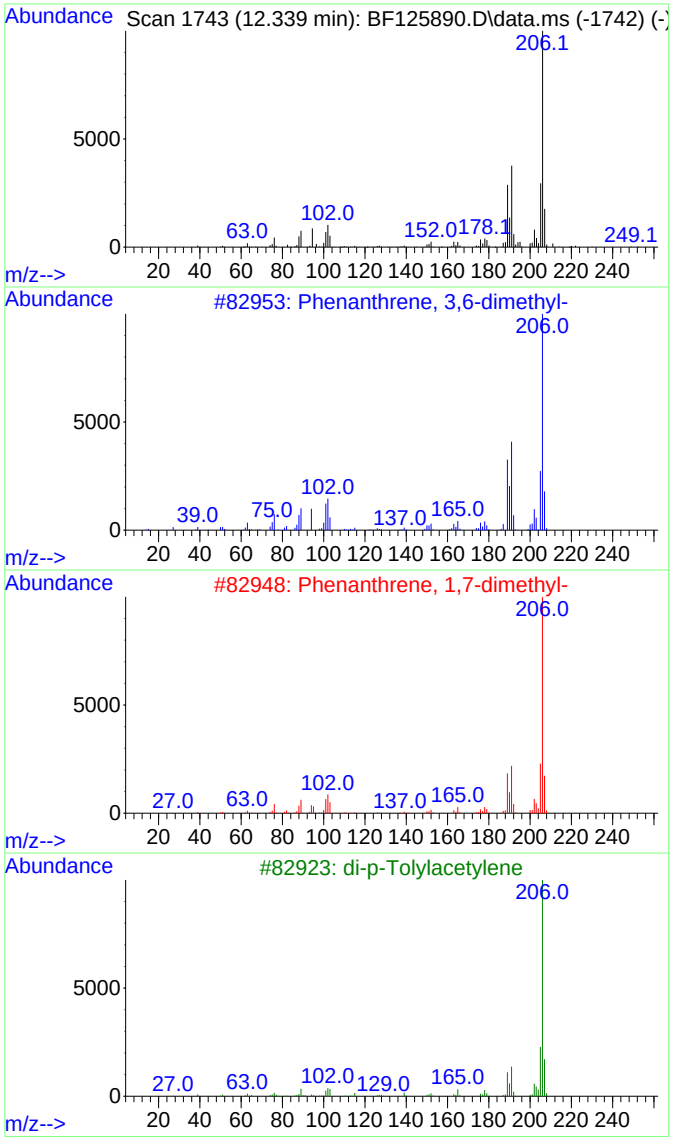
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

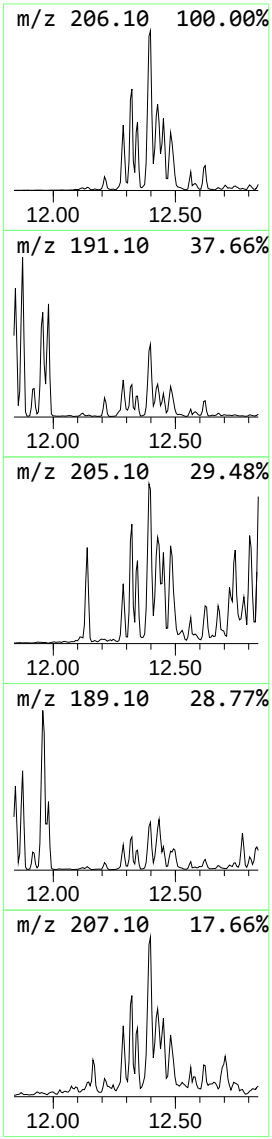
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Phenanthrene, 3,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.339	11.77 ng	752693	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	96
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	95
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87





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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TP2-(S)

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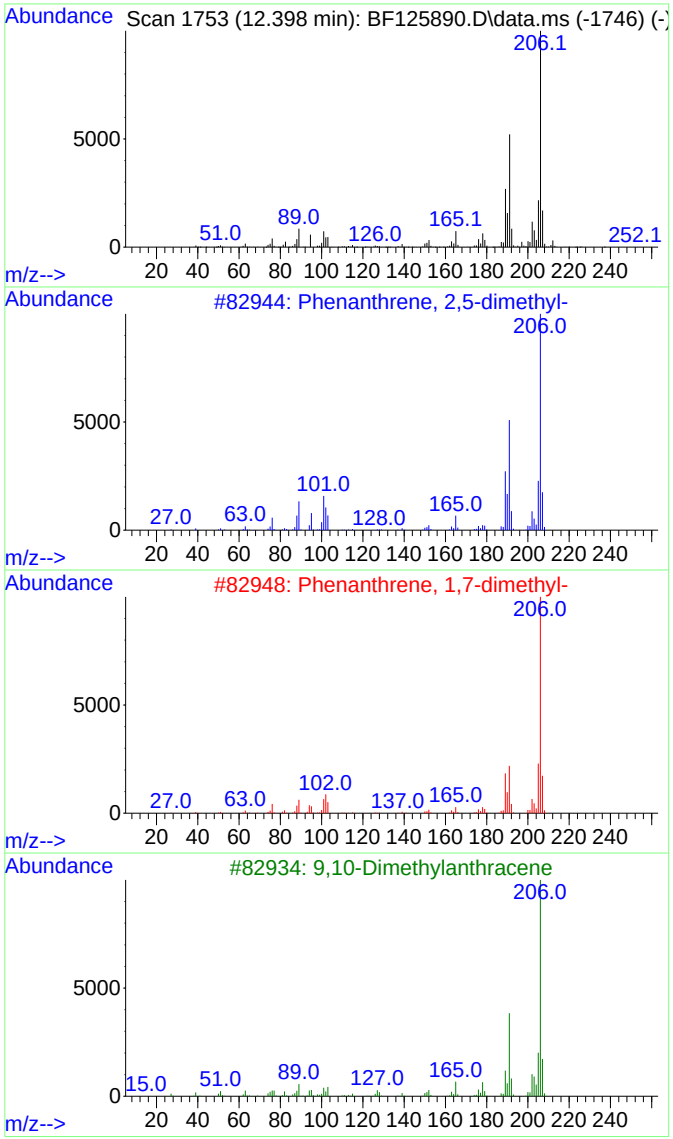
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

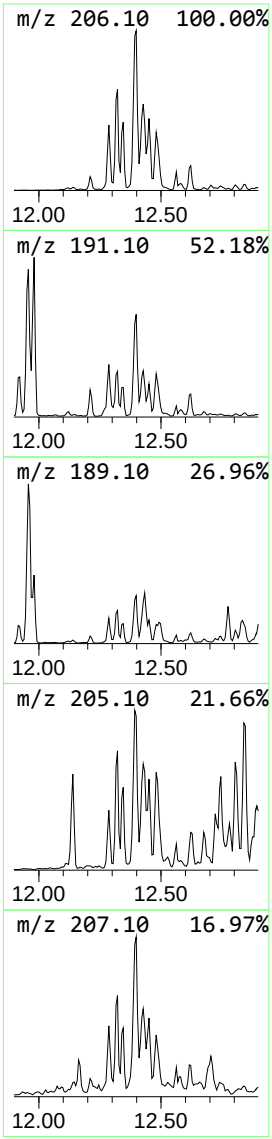
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.398	47.19 ng	3016960	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	90





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Misc :
ALS Vial : 21 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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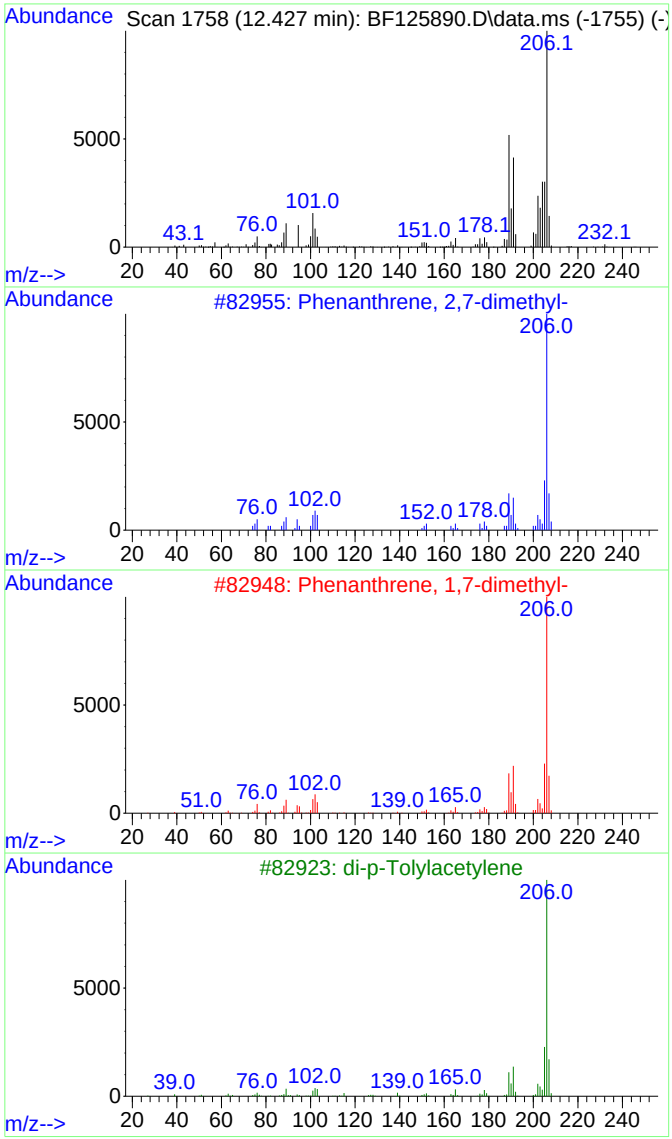
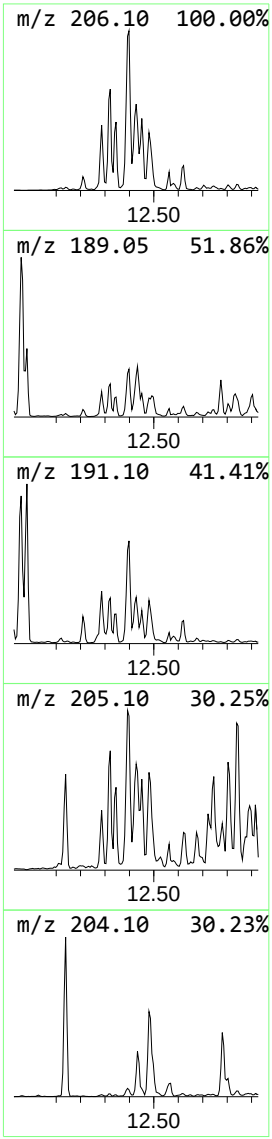
Peak Number 15 Phenanthrene, 2,7-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.427	22.72 ng	1452650	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	81
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	81
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	68
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	64
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	64





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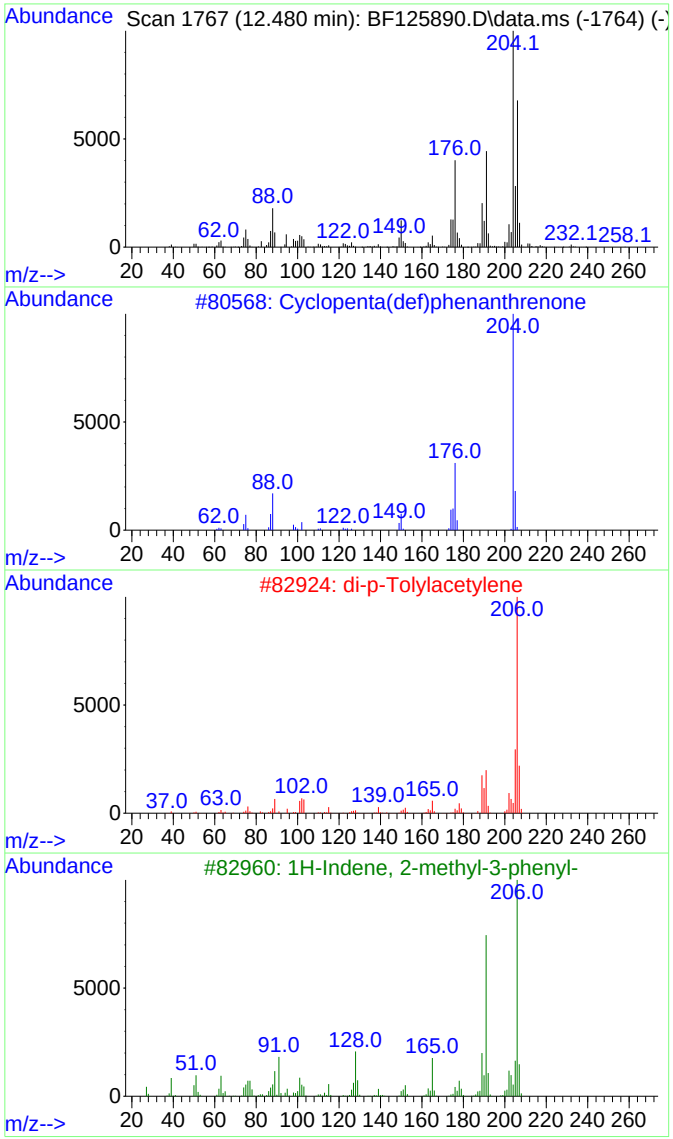
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

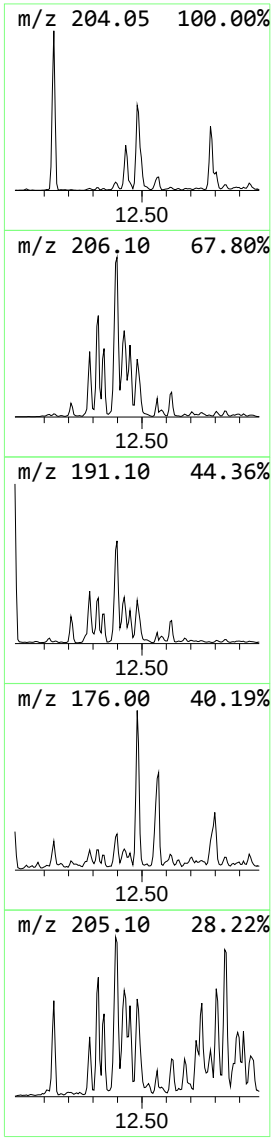
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.480	28.95 ng	1850620	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	60
3	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	60
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	56
5	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	50





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Sample : M4249-07 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP2-(S)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.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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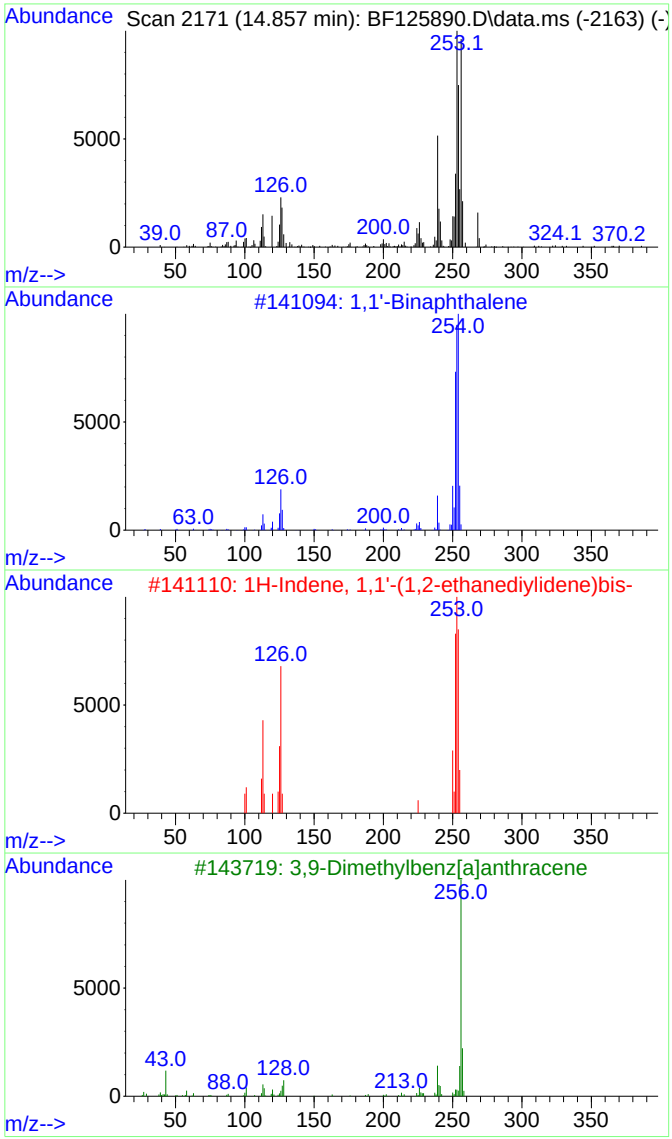
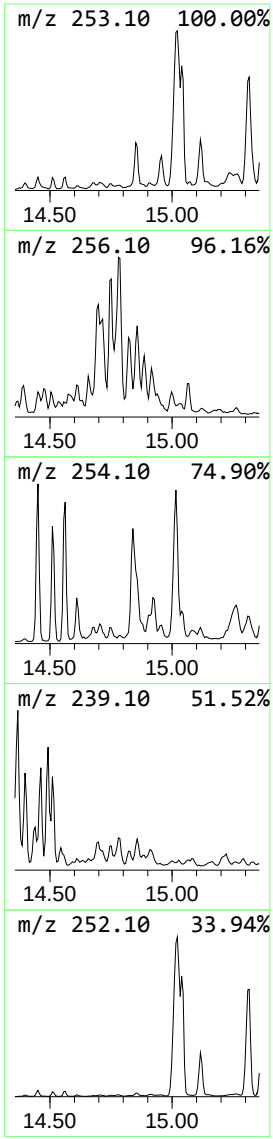
Peak Number 17 1,1'-Binaphthalene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.857	17.45 ng	772345	Perylene-d12	15.433

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Binaphthalene	254	C20H14	000604-53-5	55
2	1H-Indene, 1,1'-(1,2-ethanediyli...	254	C20H14	072088-04-1	46
3	3,9-Dimethylbenz[a]anthracene	256	C20H16	000316-51-8	46
4	Benz(a)anthracene, 4,7-dimethyl-	256	C20H16	035187-18-9	46
5	4,4'-Biazulenyl	254	C20H14	094053-54-0	45





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101821\
Data File : BF125890.D
Acq On : 18 Oct 2021 22:01
Operator : JU/CG
Sample : M4249-07 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP2-(S)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.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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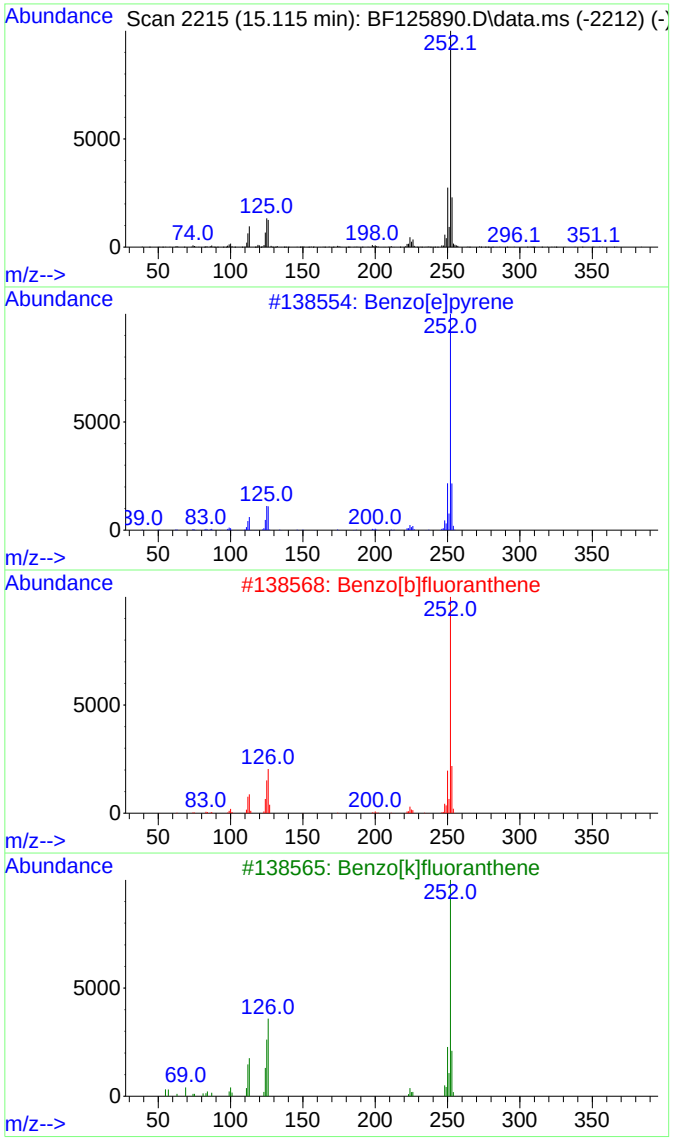
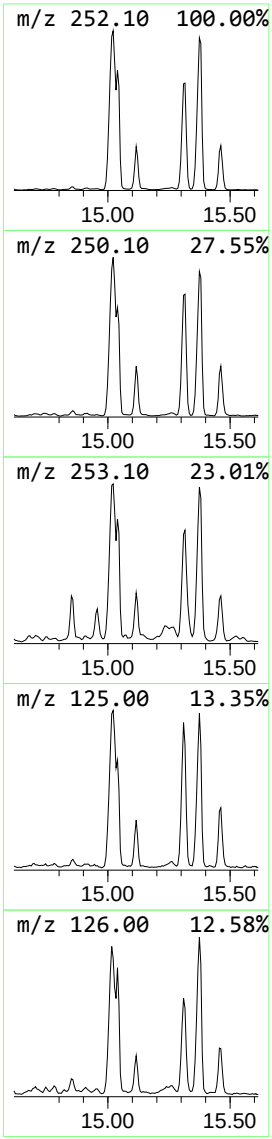
Peak Number 18 Benzo[e]pyrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.116	13.89 ng	614816	Perylene-d12	15.433

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Perylene	252	C20H12	000198-55-0	87





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Data File : BF125890.D
Acq On : 18 Oct 2021 22:01
Operator : JU/CG
Sample : M4249-07 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP2-(S)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.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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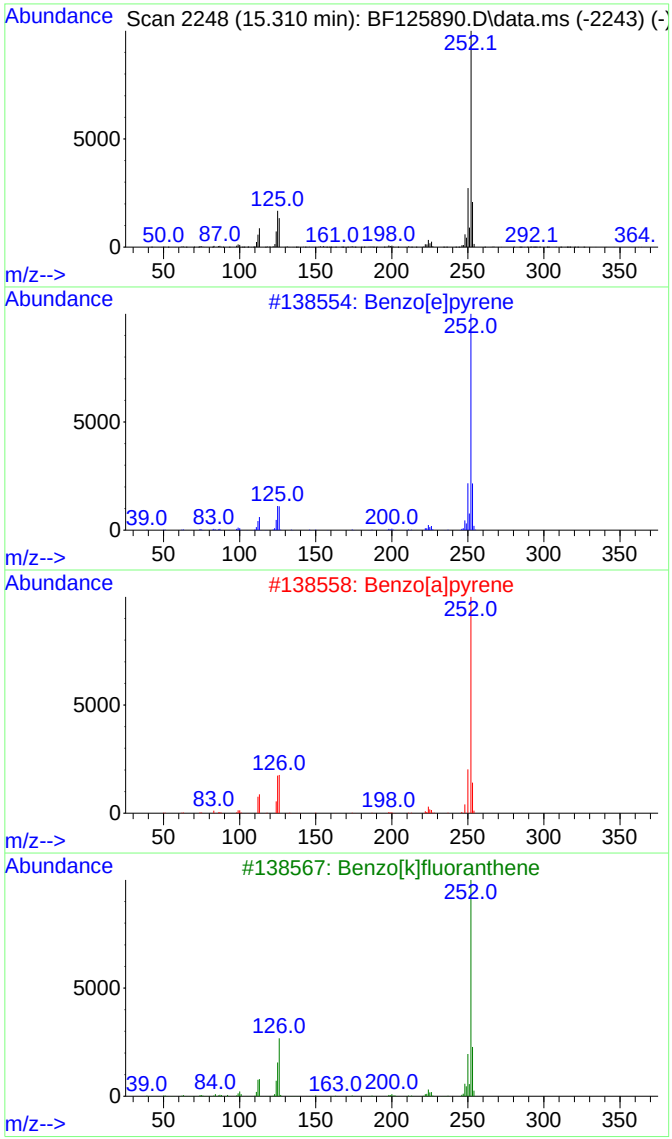
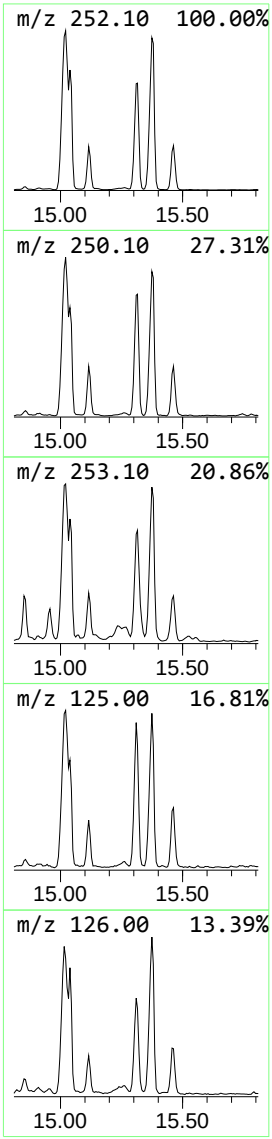
Peak Number 19 Benzo[j]fluoranthene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.310	51.16 ng	2264460	Perylene-d12	15.433

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	93
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101821\
Data File : BF125890.D
Acq On : 18 Oct 2021 22:01
Operator : JU/CG
Sample : M4249-07 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP2-(S)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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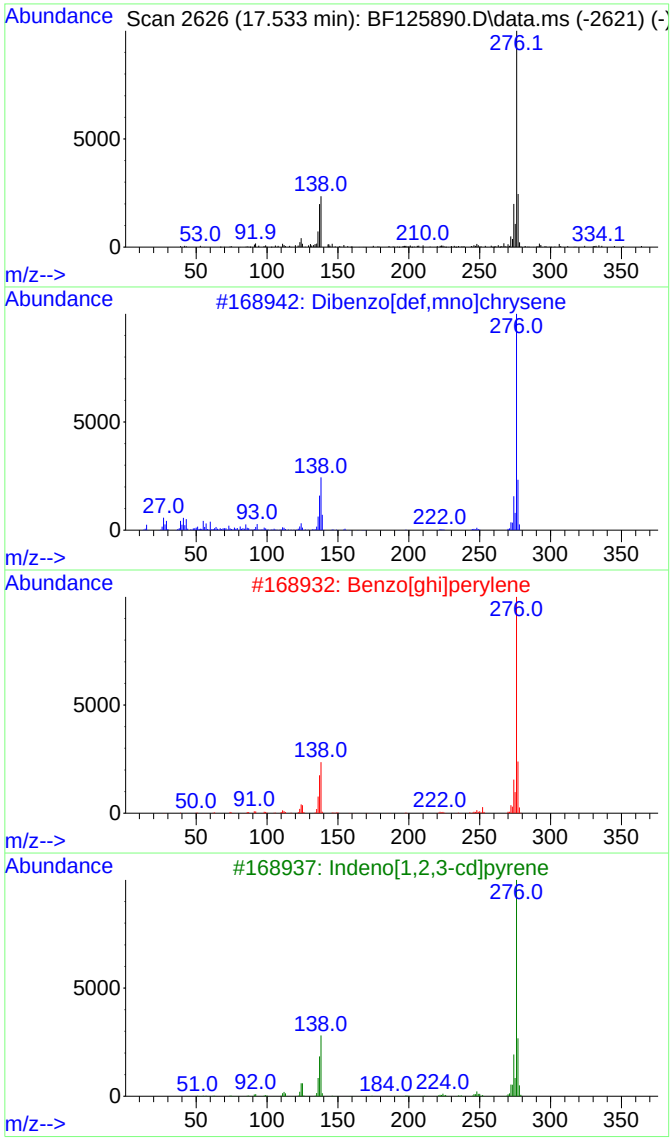
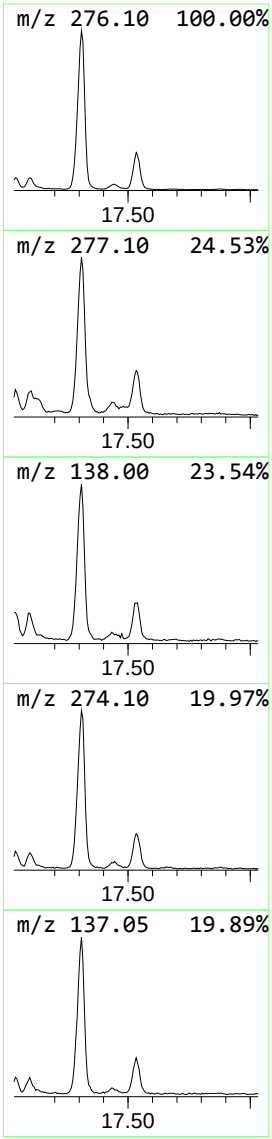
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.533	11.28 ng	499276	Perylene-d12	15.433

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	96
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	90
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	72
5	Phenol, 2-(4-chlorophenyliminome...	276	C13H9ClN2O3	1000262-90-3	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101821\
Data File : BF125890.D
Acq On : 18 Oct 2021 22:01
Operator : JU/CG
Sample : M4249-07 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP2-(S)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.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,...	9.516	15.3	ng	1077550	3	9.857	1409120	20.0
9H-Fluorene, 2-...	10.951	15.5	ng	990752	4	11.339	1278630	20.0
Dibenzothiophene	11.233	12.1	ng	772166	4	11.339	1278630	20.0
1-Methyldibenzo...	11.669	14.9	ng	951605	4	11.339	1278630	20.0
Phenanthrene, 2...	11.845	43.7	ng	2792540	4	11.339	1278630	20.0
Anthracene, 2-m...	11.874	51.8	ng	3311460	4	11.339	1278630	20.0
1H-Cyclopropa[l...	11.916	12.7	ng	811605	4	11.339	1278630	20.0
4H-Cyclopenta[d...	11.957	57.3	ng	3663360	4	11.339	1278630	20.0
Phenanthrene, 1...	11.980	30.5	ng	1947850	4	11.339	1278630	20.0
Naphthalene, 2-...	12.139	22.5	ng	1440020	4	11.339	1278630	20.0
9,10-Anthracene...	12.163	19.6	ng	1250710	4	11.339	1278630	20.0
Phenanthrene, 1...	12.322	17.0	ng	1088950	4	11.339	1278630	20.0
Phenanthrene, 3...	12.339	11.8	ng	752693	4	11.339	1278630	20.0
Phenanthrene, 2...	12.398	47.2	ng	3016960	4	11.339	1278630	20.0
Phenanthrene, 2...	12.427	22.7	ng	1452650	4	11.339	1278630	20.0
Cyclopenta(def)...	12.480	28.9	ng	1850620	4	11.339	1278630	20.0
1,1'-Binaphthalene	14.857	17.4	ng	772345	6	15.433	885303	20.0
Benzo[e]pyrene	15.116	13.9	ng	614816	6	15.433	885303	20.0
Benzo[j]fluoran...	15.310	51.2	ng	2264460	6	15.433	885303	20.0
Dibenzo[def,mno...	17.533	11.3	ng	499276	6	15.433	885303	20.0