LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050522\
Data File : BF128111.D
Acq On : 05 May 2022 23:15
Operator : CG\JU
Sample : N2691-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SHALLOW-WC-1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF128111.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.998	287	291	295	rBV	17087	20774	1.09%	0.082%
2	5.128	480	483	489	rVB	22529	24016	1.26%	0.095%
3	5.528	547	551	554	rBV	1345579	1250545	65.63%	4.934%
4	6.534	717	722	725	rBV	1453279	1281505	67.25%	5.057%
5	6.728	753	755	760	rBV2	25579	22758	1.19%	0.090%
6	6.904	782	785	789	rBV	589408	477127	25.04%	1.883%
7	6.975	791	797	801	rBV2	20653	21950	1.15%	0.087%
8	7.469	877	881	884	rBV	1083446	908618	47.68%	3.585%
9	8.186	1000	1003	1006	rBV	658994	575069	30.18%	2.269%
10	8.210	1006	1007	1010	rVB	63048	33819	1.77%	0.133%
11	8.763	1099	1101	1107	rVB	24120	22389	1.17%	0.088%
12	8.898	1121	1124	1128	rBV	32672	29419	1.54%	0.116%
13	9.263	1182	1186	1189	rBV	1741451	1399292	73.44%	5.521%
14	9.333	1195	1198	1201	rBV	32297	26781	1.41%	0.106%
15	9.533	1226	1232	1235	rBV2	25556	34428	1.81%	0.136%
16	9.604	1240	1244	1246	rBV	27776	28510	1.50%	0.112%
17	9.810	1275	1279	1284	rBV	164272	144814	7.60%	0.571%
18	9.863	1284	1288	1291	rVB2	24246	21566	1.13%	0.085%
19	9.945	1299	1302	1305	rVV	702977	550687	28.90%	2.173%
20	9.980	1305	1308	1311	rVB	73827	60188	3.16%	0.237%
21	10.151	1331	1337	1340	rVB2	54010	56482	2.96%	0.223%
22	10.257	1351	1355	1358	rBV3	23527	30034	1.58%	0.119%
23	10.363	1366	1373	1376	rVB4	27584	47562	2.50%	0.188%
24	10.492	1392	1395	1401	rVB	74615	77485	4.07%	0.306%
25	10.563	1401	1407	1408	rBV2	17702	24368	1.28%	0.096%
26	10.651	1417	1422	1425	rVB2	29136	34868	1.83%	0.138%
27	10.739	1433	1437	1440	rBV	884160	809401	42.48%	3.194%
28	10.839	1451	1454	1463	rVB5	29323	68978	3.62%	0.272%
29	11.045	1482	1489	1491	rBV4	33961	53847	2.83%	0.212%
30	11.169	1505	1510	1512	rBV3	28943	38078	2.00%	0.150%
31	11.192	1512	1514	1519	rVV2	33567	44360	2.33%	0.175%
32	11.239	1519	1522	1526	rVV	66800	69913	3.67%	0.276%
33	11.286	1526	1530	1533	rVV3	47189	68236	3.58%	0.269%
34	11.333	1536	1538	1542	rVB	72385	60150	3.16%	0.237%
35	11.439	1552	1556	1558	rBV	679204	580134	30.45%	2.289%
36	11.463	1558	1560	1564	rVV	1167523	915363	48.04%	3.612%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050522\
Data File : BF128111.D
Acq On : 05 May 2022 23:15
Operator : CG\JU
Sample : N2691-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SHALLOW-WC-1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.516	1565	1569	1571	rVV	244640	217228	11.40%	0.857%
38	11.545	1571	1574	1577	rVB3	33930	40643	2.13%	0.160%
39	11.669	1590	1595	1600	rBV2	136855	159884	8.39%	0.631%
40	11.733	1604	1606	1609	rVB2	35282	28423	1.49%	0.112%
41	11.769	1609	1612	1617	rBV3	46420	46183	2.42%	0.182%
42	11.816	1617	1620	1623	rBV3	41477	46366	2.43%	0.183%
43	11.939	1638	1641	1644	rBV	179080	203163	10.66%	0.802%
44	11.969	1644	1646	1649	rVB	274675	212465	11.15%	0.838%
45	12.016	1651	1654	1657	rVB	89328	71814	3.77%	0.283%
46	12.051	1657	1660	1663	rBV2	244763	300961	15.79%	1.188%
47	12.074	1663	1664	1669	rVB	151998	89434	4.69%	0.353%
48	12.121	1669	1672	1674	rBV2	57004	49551	2.60%	0.196%
49	12.145	1674	1676	1678	rBV2	27818	22805	1.20%	0.090%
50	12.174	1678	1681	1684	rBV3	39340	41678	2.19%	0.164%
51	12.233	1688	1691	1694	rVV	147930	128947	6.77%	0.509%
52	12.263	1694	1696	1699	rVB	153632	119833	6.29%	0.473%
53	12.386	1715	1717	1720	rVB3	43829	33727	1.77%	0.133%
54	12.416	1720	1722	1724	rBV	46225	35517	1.86%	0.140%
55	12.439	1724	1726	1729	rVB	41148	32037	1.68%	0.126%
56	12.492	1732	1735	1737	rBV	127897	134829	7.08%	0.532%
57	12.551	1743	1745	1747	rVB	54696	36317	1.91%	0.143%
58	12.580	1747	1750	1754	rBV	141200	142391	7.47%	0.562%
59	12.663	1760	1764	1767	rBV	1953358	1720291	90.28%	6.788%
60	12.698	1767	1770	1772	rBV2	60088	64011	3.36%	0.253%
61	12.721	1772	1774	1776	rVB2	44022	32948	1.73%	0.130%
62	12.751	1776	1779	1782	rBV	97967	85063	4.46%	0.336%
63	12.810	1787	1789	1791	rVB	51907	39935	2.10%	0.158%
64	12.892	1796	1803	1806	rVV2	1729279	1905468	100.00%	7.519%
65	12.933	1807	1810	1814	rVB2	116061	131092	6.88%	0.517%
66	13.004	1819	1822	1823	rBV	124255	126451	6.64%	0.499%
67	13.027	1823	1826	1828	rVB	1129714	993351	52.13%	3.920%
68	13.098	1835	1838	1843	rBV2	138915	234169	12.29%	0.924%
69	13.186	1850	1853	1855	rBV4	125038	152413	8.00%	0.601%
70	13.216	1855	1858	1860	rVB	253503	255033	13.38%	1.006%
71	13.280	1866	1869	1871	rBV	163998	121139	6.36%	0.478%
72	13.316	1872	1875	1878	rVB2	185954	217119	11.39%	0.857%
73	13.410	1889	1891	1894	rBV	121487	96697	5.07%	0.382%
74	13.445	1894	1897	1899	rBV	118046	115994	6.09%	0.458%
75	13.586	1919	1921	1923	rBV2	78440	71860	3.77%	0.284%
76	13.721	1942	1944	1948	rVB	219561	221032	11.60%	0.872%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050522\
Data File : BF128111.D
Acq On : 05 May 2022 23:15
Operator : CG\JU
Sample : N2691-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SHALLOW-WC-1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.833	1960	1963	1966	rBV2	185105	204265	10.72%	0.806%
78	13.863	1966	1968	1970	rVV	169293	128847	6.76%	0.508%
79	13.892	1970	1973	1978	rVV3	128039	244993	12.86%	0.967%
80	13.933	1978	1980	1984	rVB	195991	175302	9.20%	0.692%
81	14.080	2001	2005	2009	rBV2	1067946	1571806	82.49%	6.202%
82	14.115	2009	2011	2019	rVB	929485	888889	46.65%	3.507%
83	14.233	2029	2031	2034	rBV	155139	135911	7.13%	0.536%
84	14.474	2070	2072	2075	rVB	209998	174236	9.14%	0.687%
85	15.151	2183	2187	2191	rBV	623658	1090839	57.25%	4.304%
86	15.468	2238	2241	2247	rVB	378627	490772	25.76%	1.936%
87	15.533	2248	2252	2258	rVB	553906	713272	37.43%	2.814%
88	15.598	2259	2263	2266	rBV	255518	342101	17.95%	1.350%
89	17.133	2519	2524	2532	rVB2	253846	490611	25.75%	1.936%

Sum of corrected areas: 25343620

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050522\
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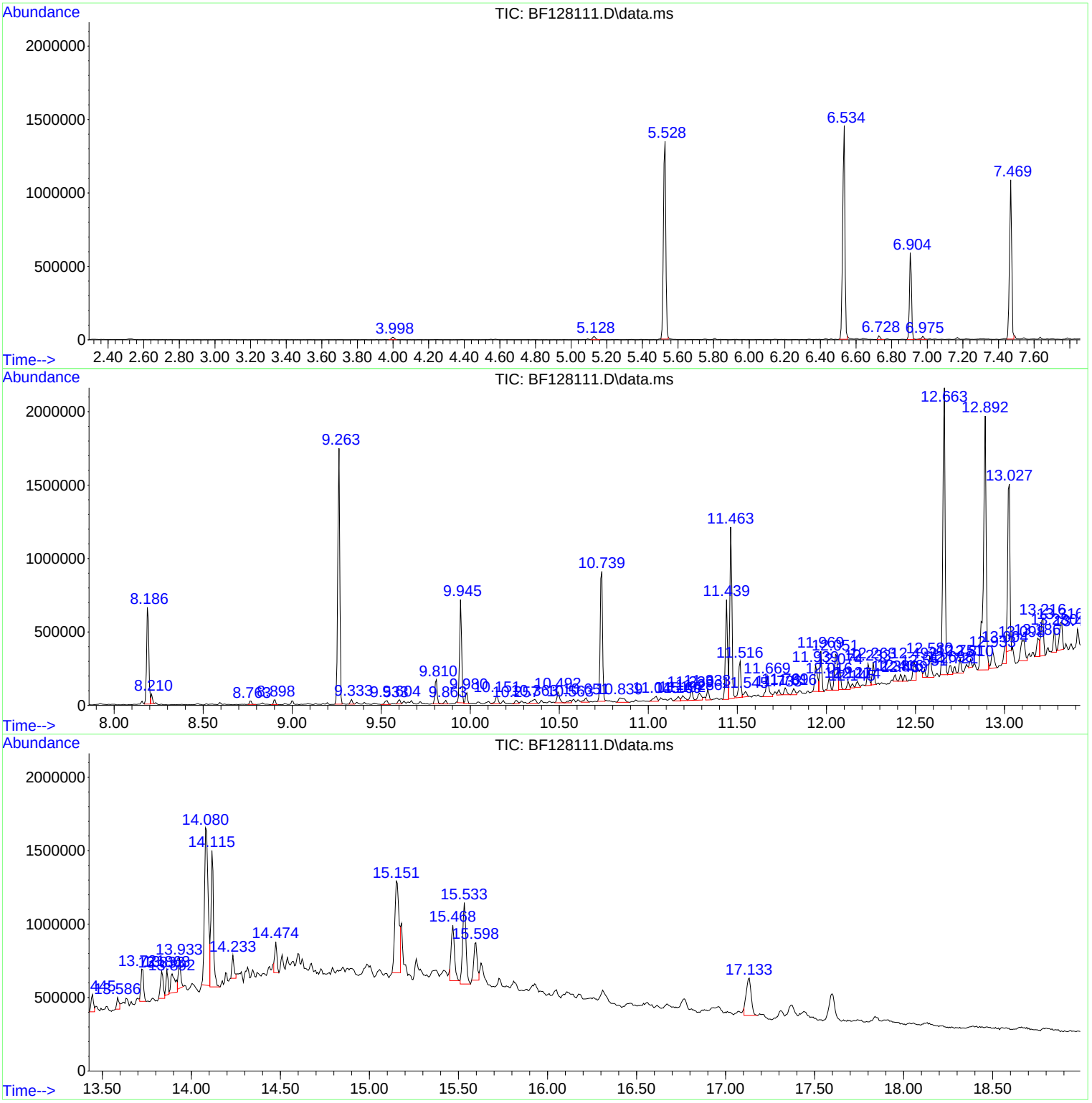
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SHALLOW-WC-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.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\BF050522\
Data File : BF128111.D
Acq On : 05 May 2022 23:15
Operator : CG\JU
Sample : N2691-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SHALLOW-WC-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

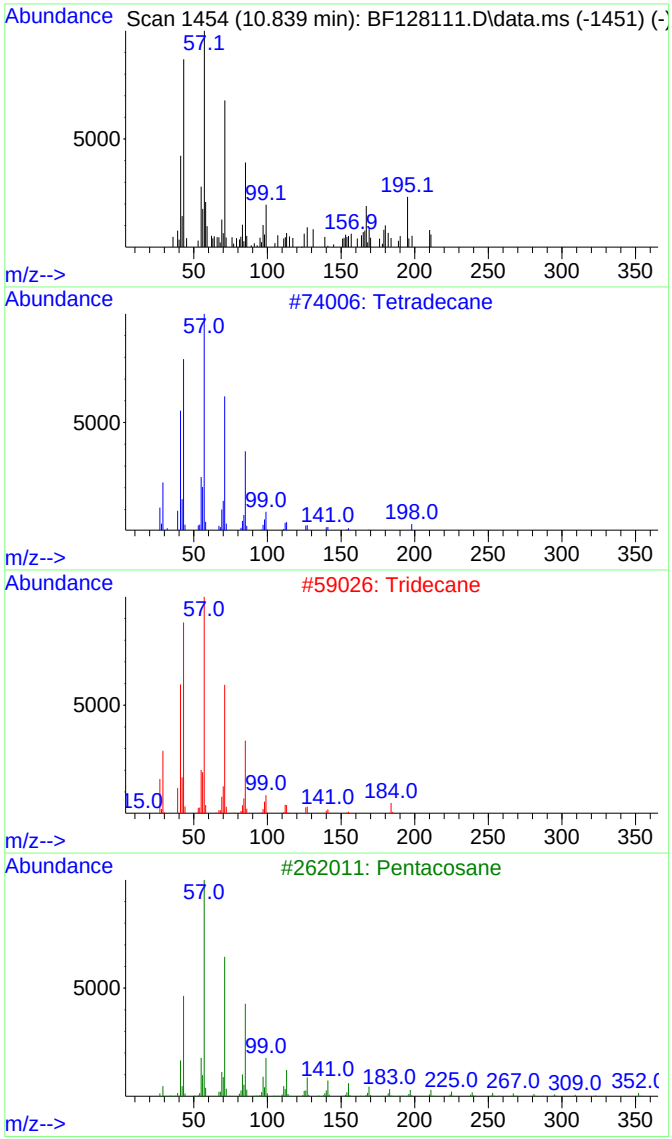
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

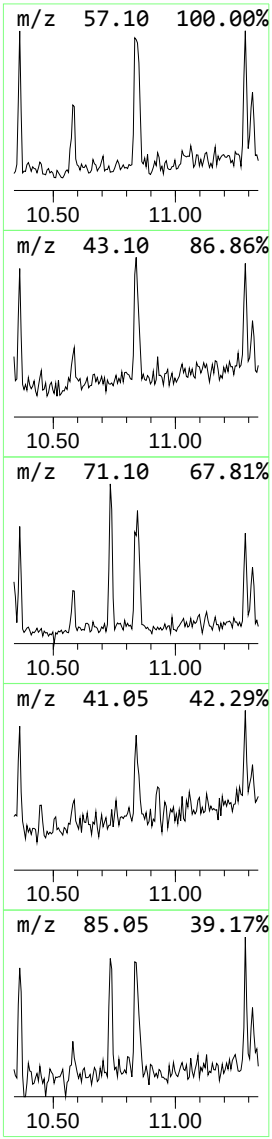
****

Peak Number 1 Tetradecane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.839	2.38 ng	68978	Phenanthrene-d10	11.439

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	64
2	Tridecane	184	C13H28	000629-50-5	50
3	Pentacosane	352	C25H52	000629-99-2	46
4	Heneicosane	296	C21H44	000629-94-7	46
5	Hexacosane	366	C26H54	000630-01-3	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050522\
Data File : BF128111.D
Acq On : 05 May 2022 23:15
Operator : CG\JU
Sample : N2691-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SHALLOW-WC-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

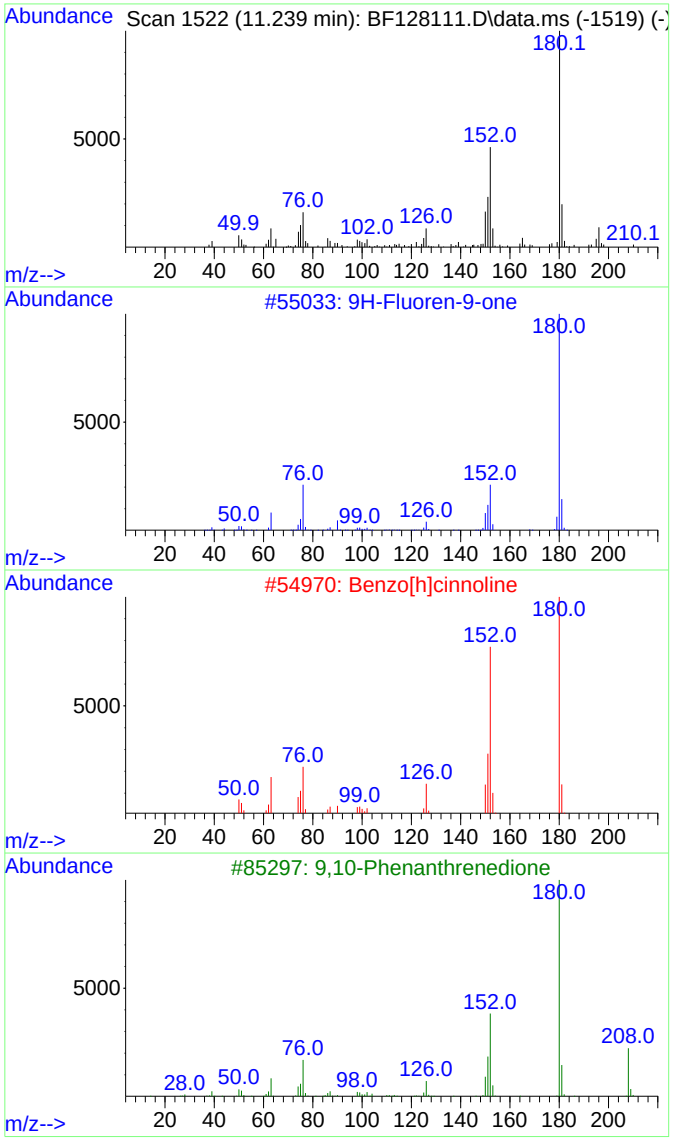
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

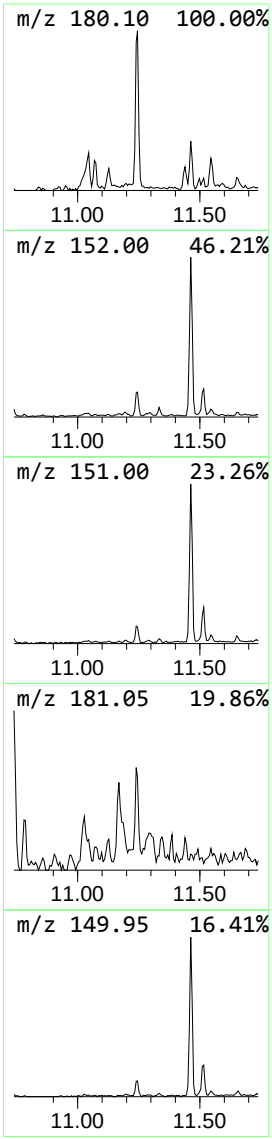
****

Peak Number 2 9H-Fluoren-9-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.239	2.41 ng	69913	Phenanthrene-d10	11.439

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	90
3	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	86
4	9-Aminofluorene	181	C13H11N	000525-03-1	59
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050522\
Data File : BF128111.D
Acq On : 05 May 2022 23:15
Operator : CG\JU
Sample : N2691-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SHALLOW-WC-1

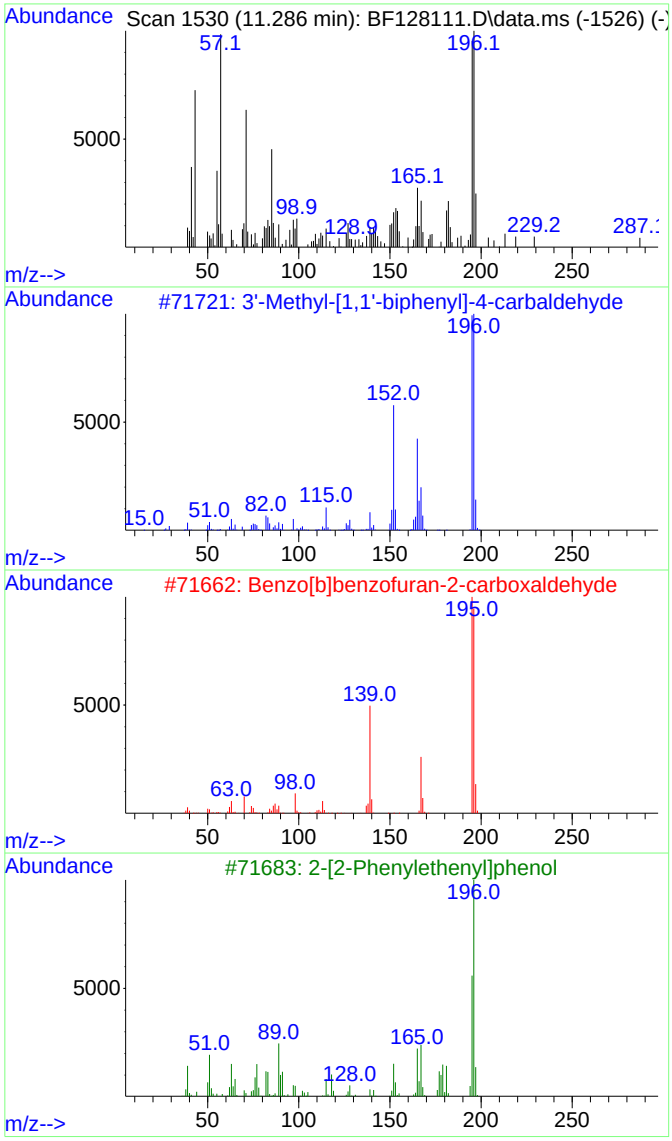
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

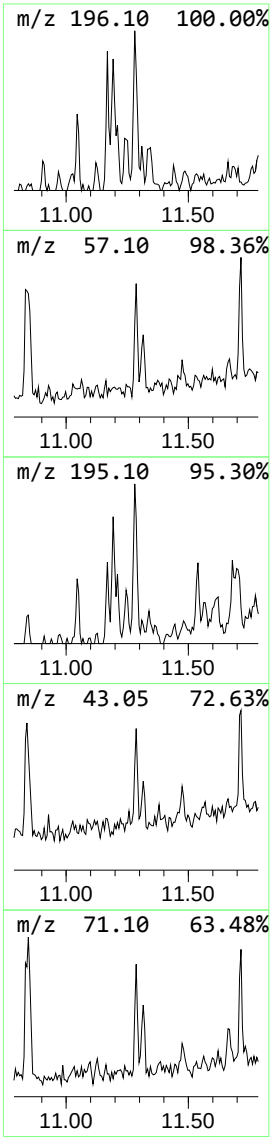
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 3'-Methyl-[1,1'-biphenyl]-4... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.286	2.35 ng	68236	Phenanthrene-d10	11.439

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3'-Methyl-[1,1'-biphenyl]-4-carb...	196	C14H12O	400744-83-4	53
2	Benzo[b]benzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	49
3	2-[2-Phenylethenyl]phenol	196	C14H12O	042224-48-6	45
4	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	38
5	.beta.-Carboline, 1,2-dimethyl-	196	C13H12N2	109847-05-4	30





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050522\
Data File : BF128111.D
Acq On : 05 May 2022 23:15
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Sample : N2691-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SHALLOW-WC-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.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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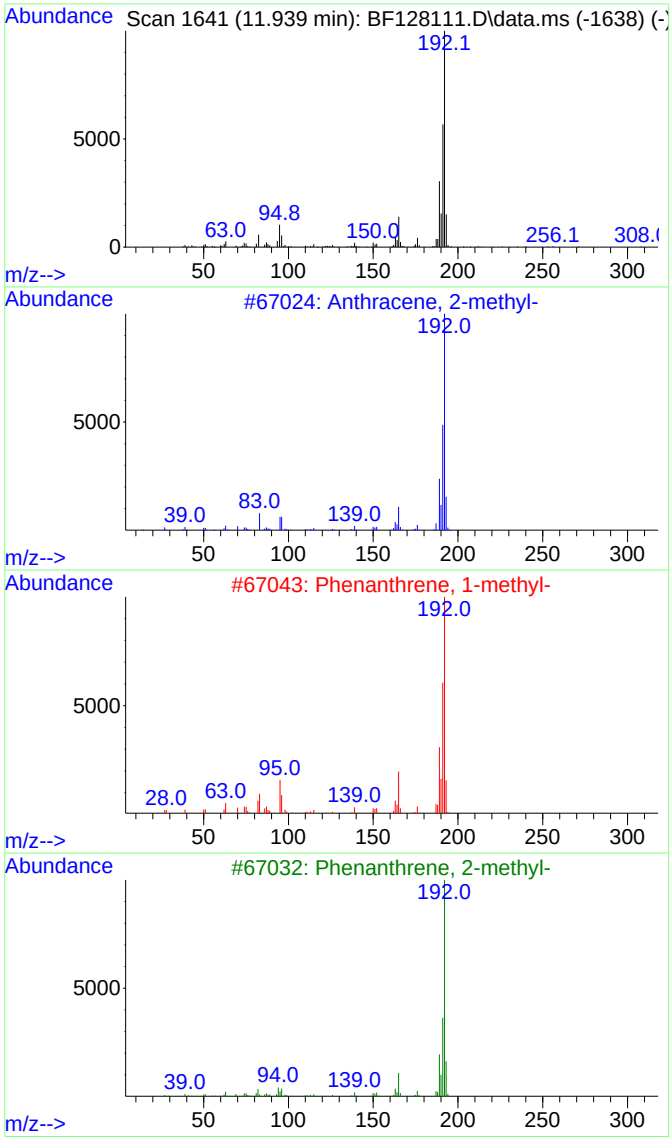
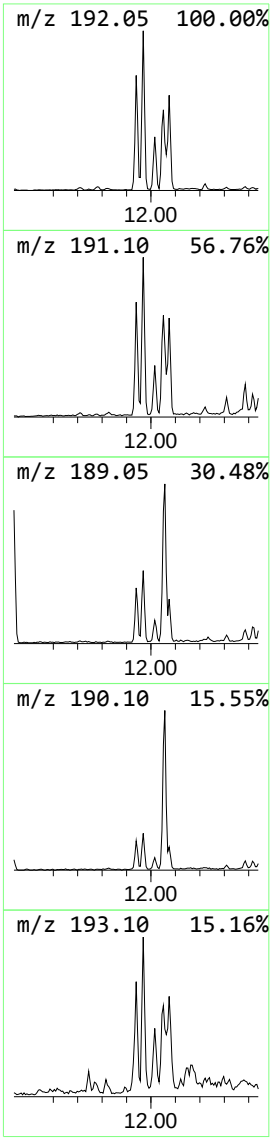
Peak Number 4 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.939	7.00 ng	203163	Phenanthrene-d10	11.439

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050522\
Data File : BF128111.D
Acq On : 05 May 2022 23:15
Operator : CG\JU
Sample : N2691-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SHALLOW-WC-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

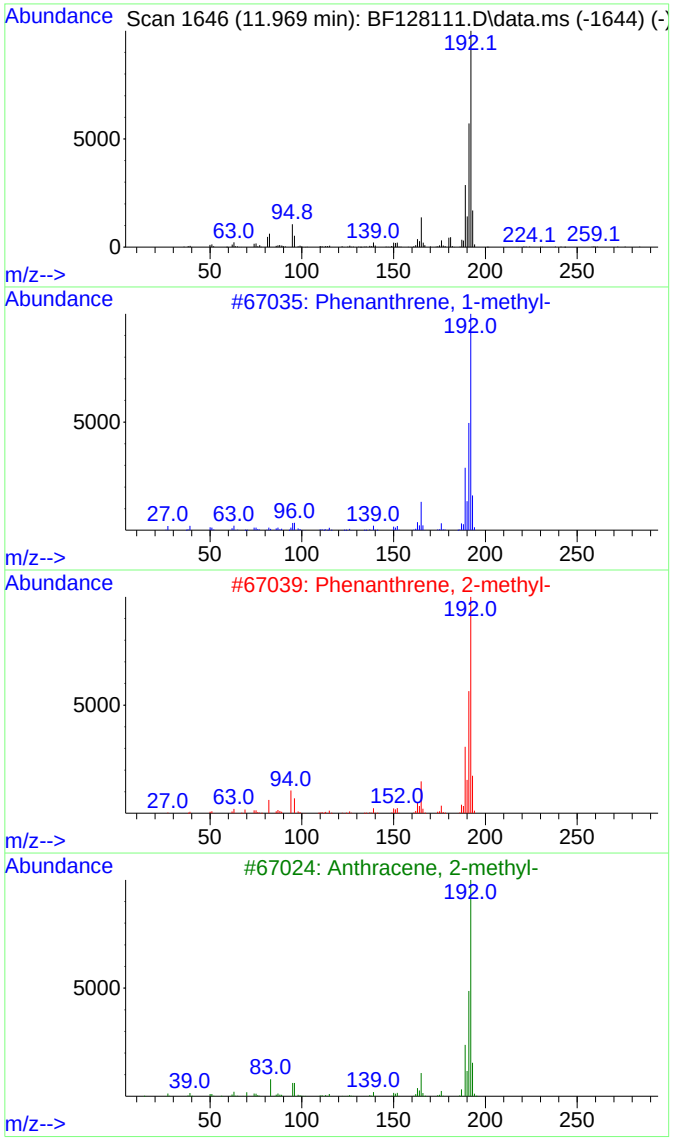
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

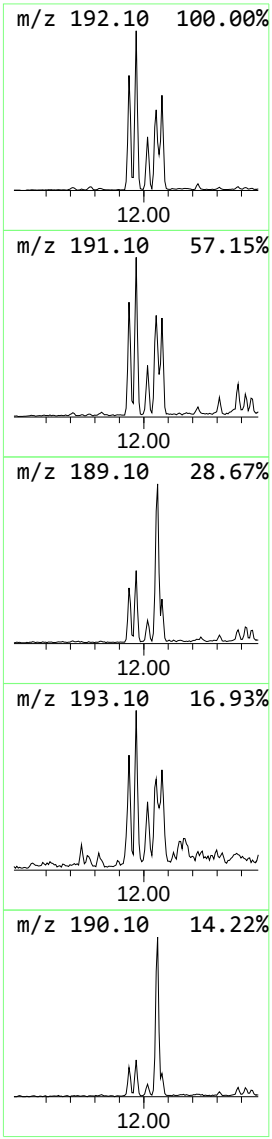
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.969	7.32 ng	212465	Phenanthrene-d10	11.439

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050522\
Data File : BF128111.D
Acq On : 05 May 2022 23:15
Operator : CG\JU
Sample : N2691-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SHALLOW-WC-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.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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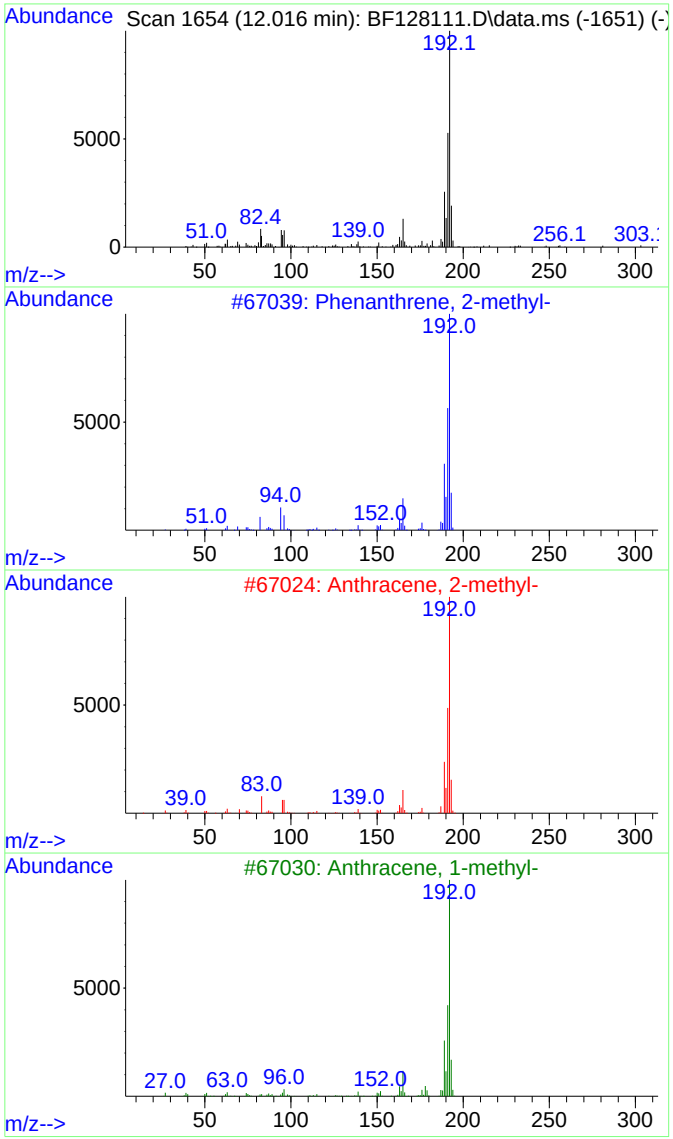
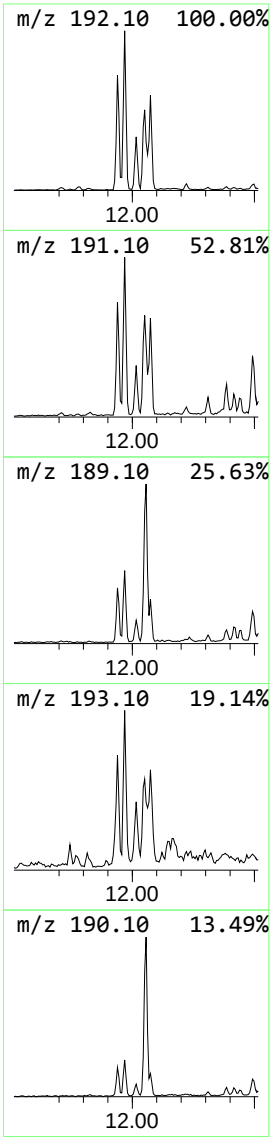
Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.016	2.48 ng	71814	Phenanthrene-d10	11.439

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





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Operator : CG\JU
Sample : N2691-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

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ClientSampleId :
SHALLOW-WC-1

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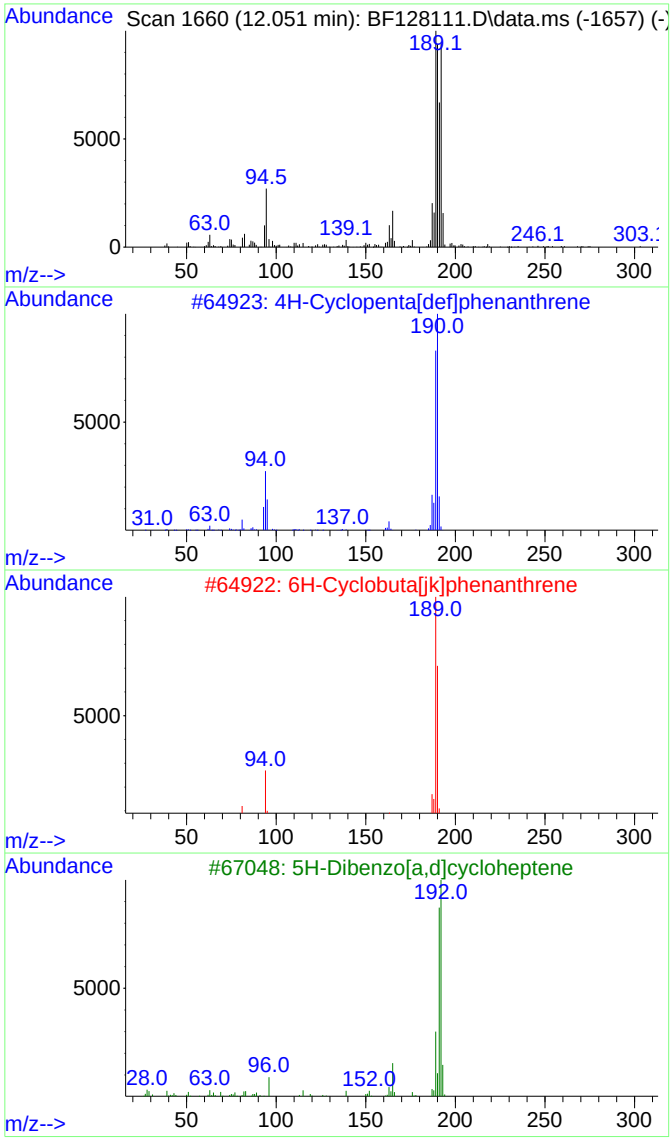
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

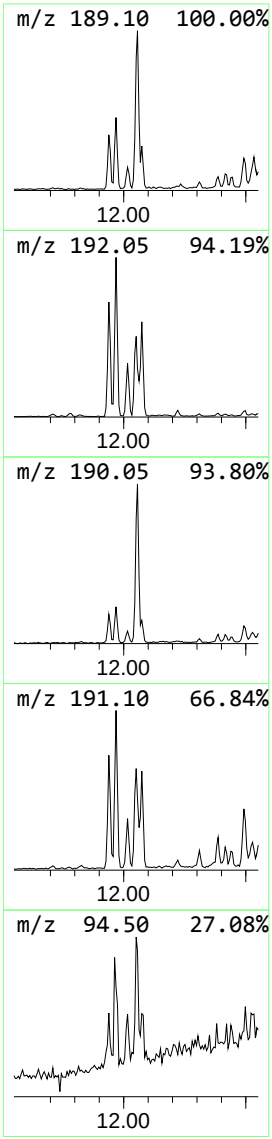
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.051	10.38 ng	300961	Phenanthrene-d10	11.439

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	46
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	42
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42





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

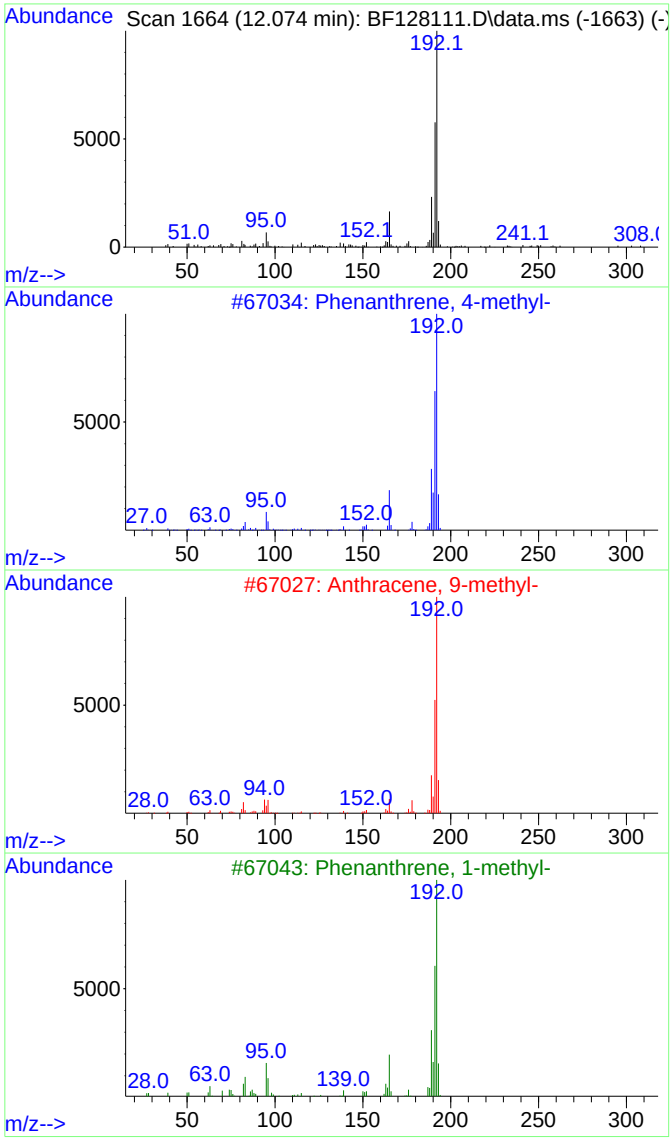
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

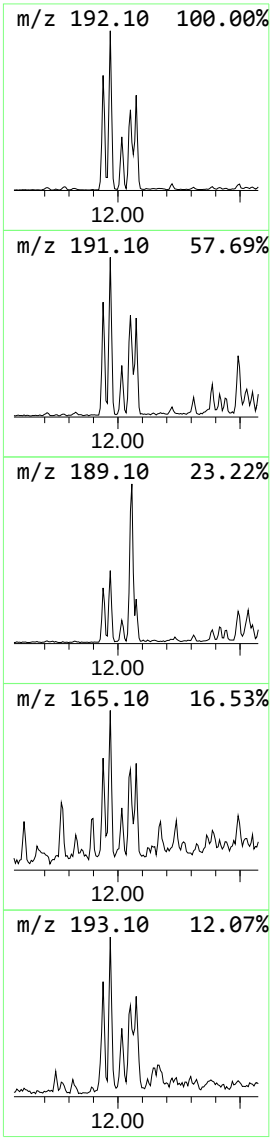
****

Peak Number 8 Phenanthrene, 4-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.074	3.08 ng	89434	Phenanthrene-d10	11.439

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	81
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	74
4	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	72
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	70





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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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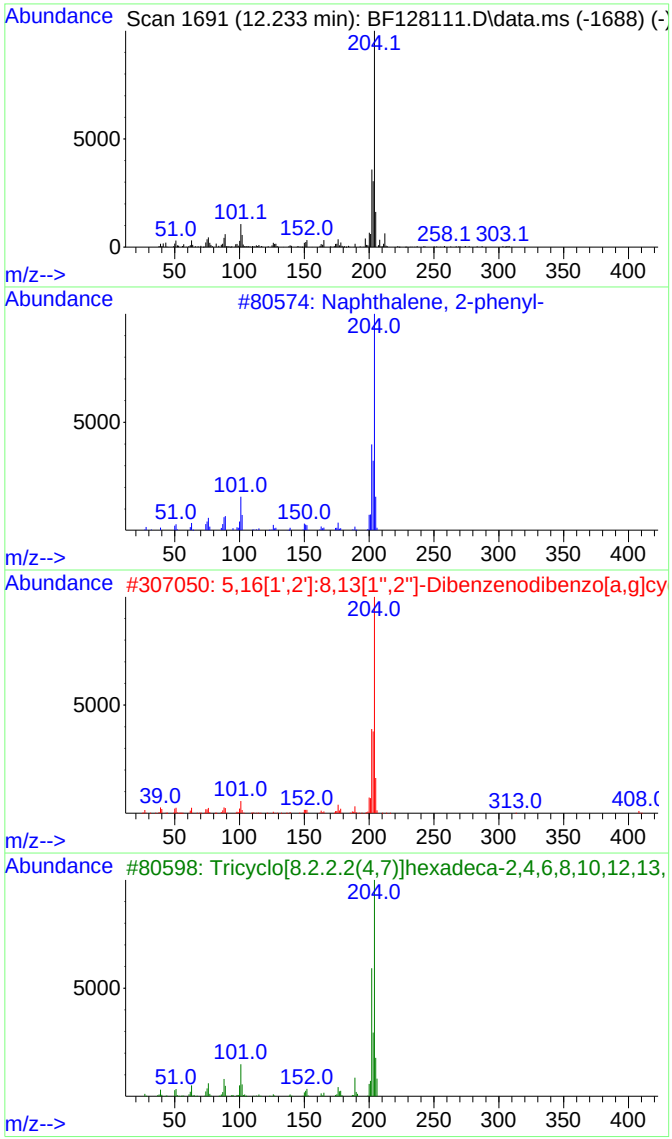
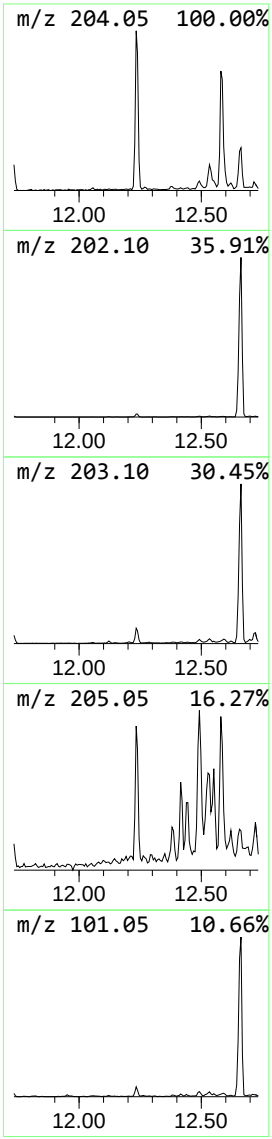
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.233	4.45 ng	128947	Phenanthrene-d10	11.439

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	72
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58





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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SHALLOW-WC-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.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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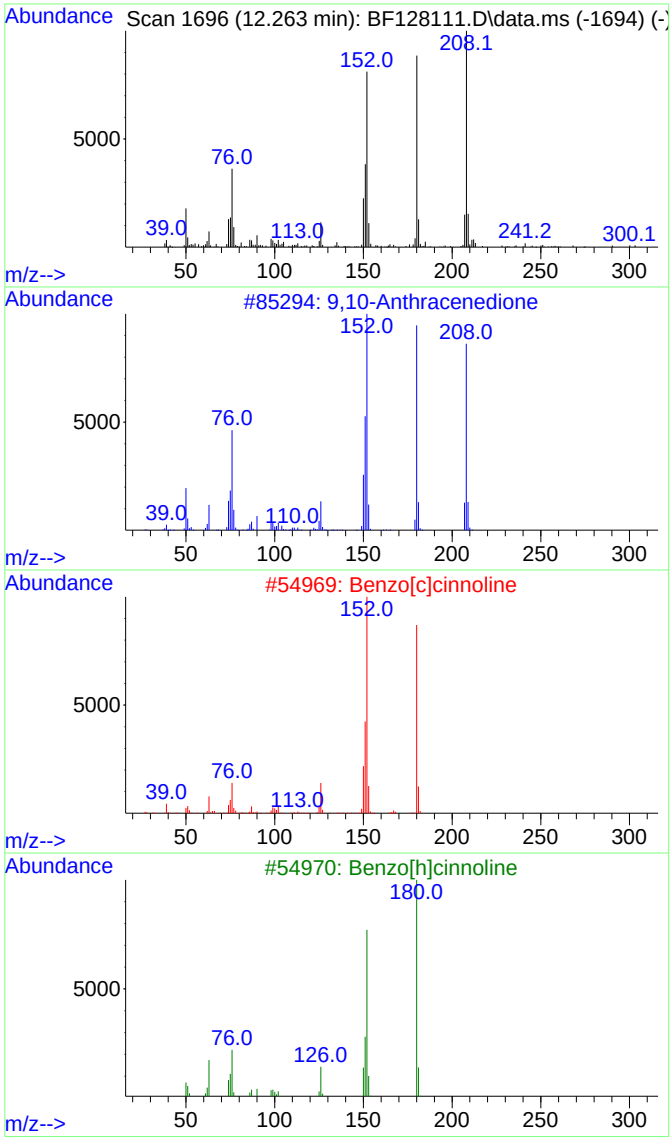
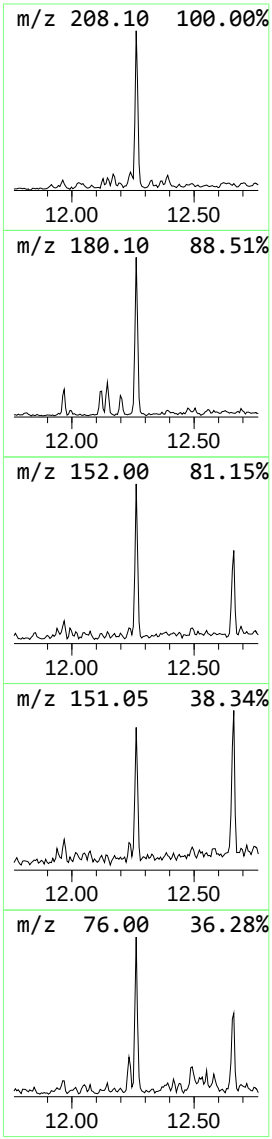
Peak Number 10 9,10-Anthracenedione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.263	4.13 ng	119833	Phenanthrene-d10	11.439

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
3	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	60
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5	2-(Dicyanomethylene)indene-1,3-d...	208	C12H4N2O2	016954-74-8	49





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ALS Vial : 22 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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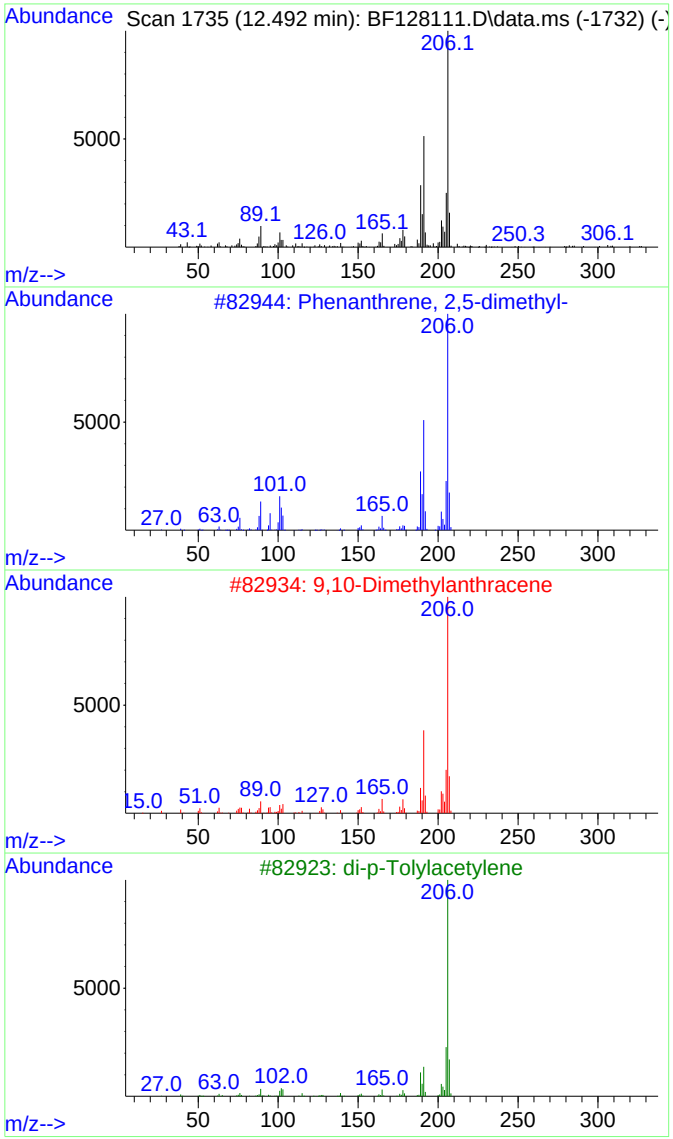
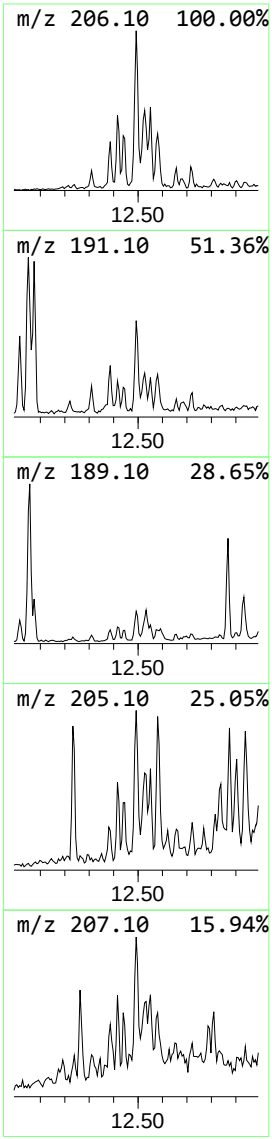
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.492	4.65 ng	134829	Phenanthrene-d10	11.439

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	90
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	89





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ALS Vial : 22 Sample Multiplier: 1

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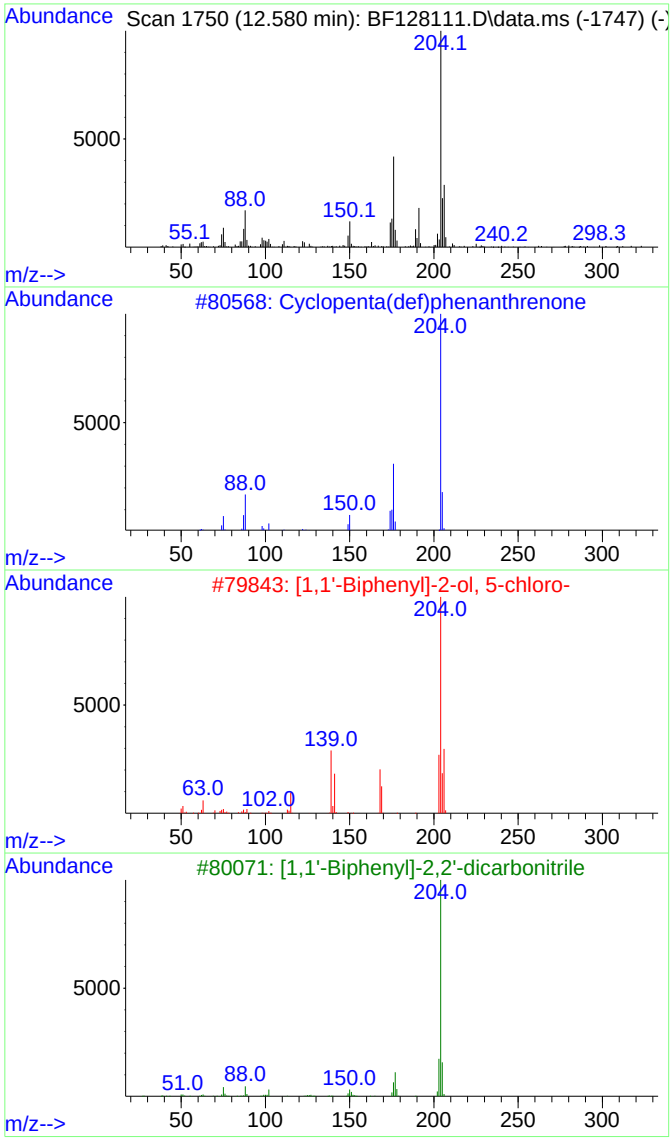
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

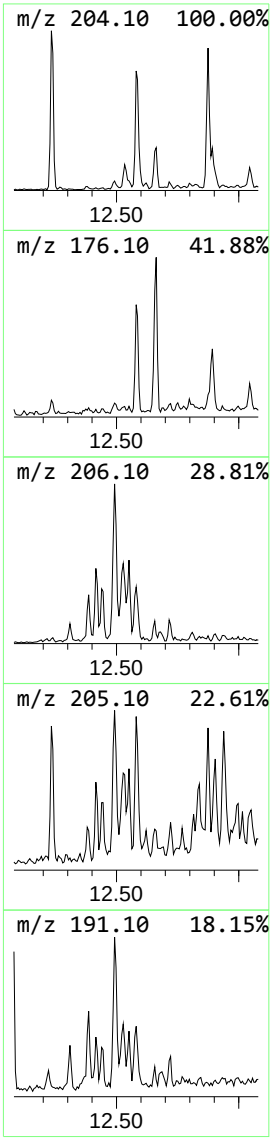
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.580	4.91 ng	142391	Phenanthrene-d10	11.439

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	46
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43
4	Pyrimidine, 4-chloro-6-(4-methyl...	204	C11H9ClN2	1000380-55-8	43
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	43





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ALS Vial : 22 Sample Multiplier: 1

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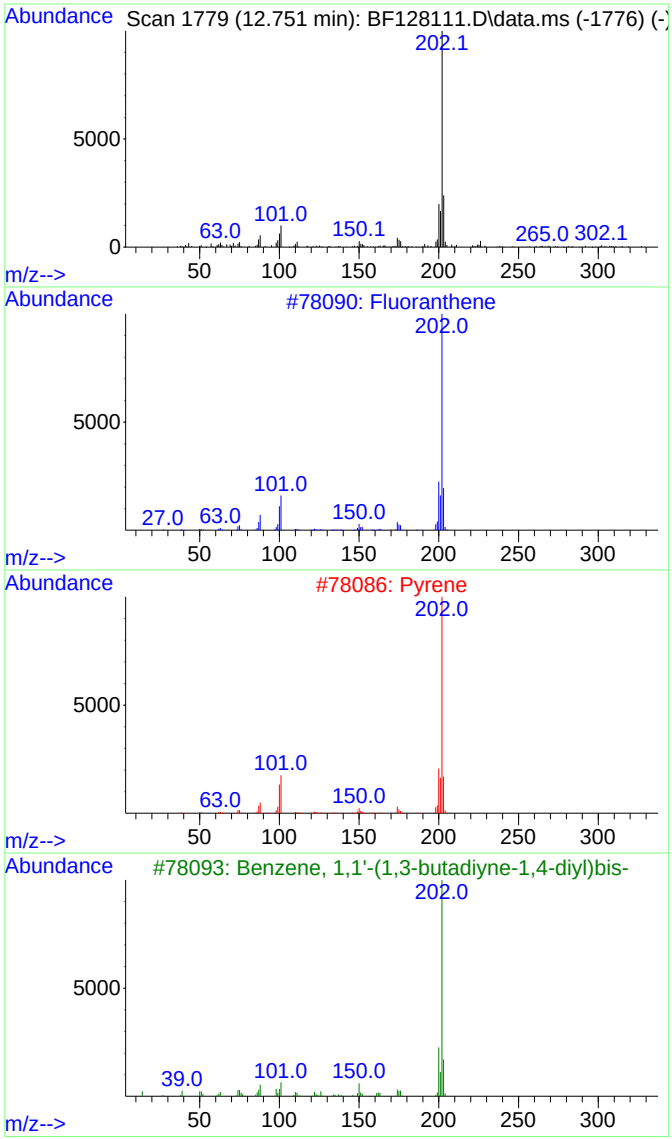
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

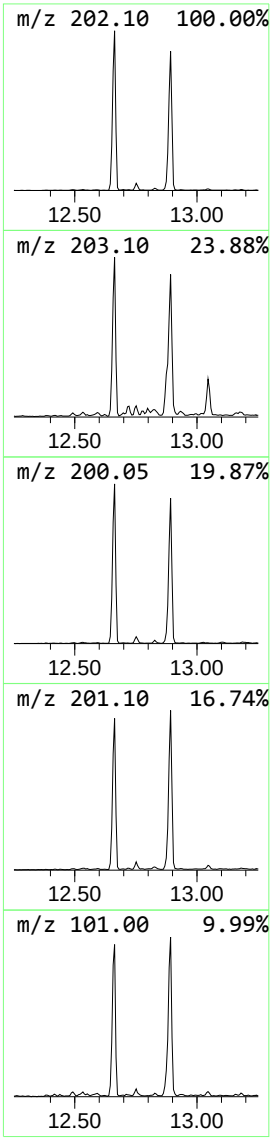
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Benzene, 1,1'-(1,3-butadiyn... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.751	2.93 ng	85063	Phenanthrene-d10	11.439

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene	202	C16H10	000206-44-0	94
2	Pyrene	202	C16H10	000129-00-0	86
3	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	81
4	2-pyrazinol, 3-bromo-5,6-dimethyl-	202	C6H7BrN2O	1010396-05-3	38
5	1-Methyl-7,11-dithiaspiro[5,5] u...	202	C10H18S2	107678-22-8	38





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

TIC Library : C:\Database\NIST20.L
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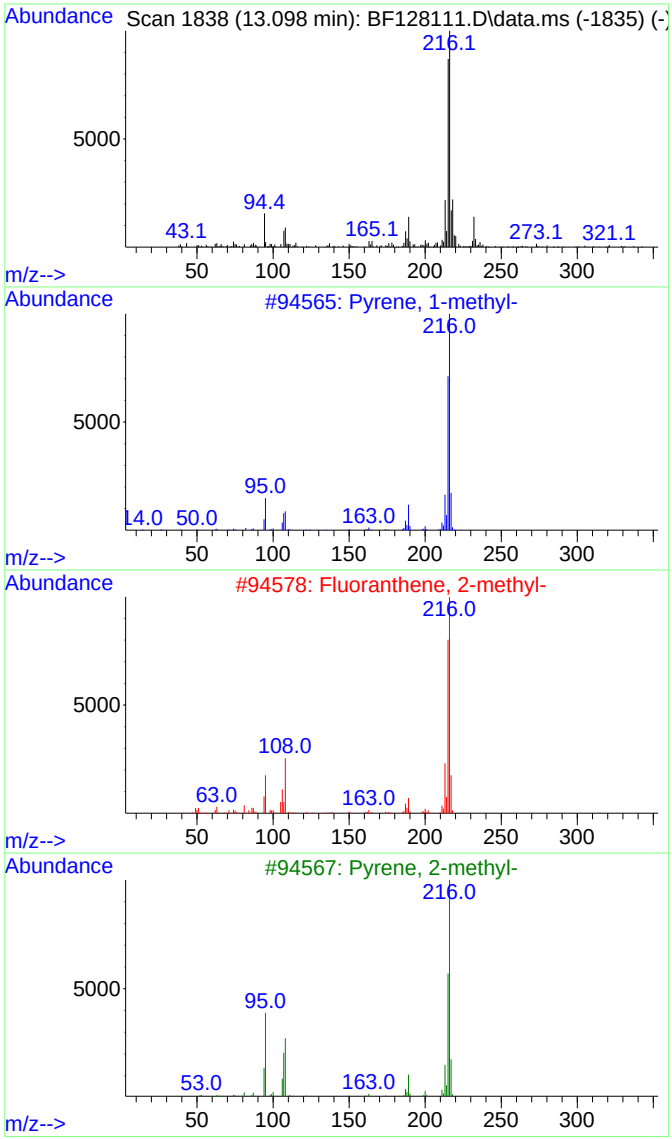
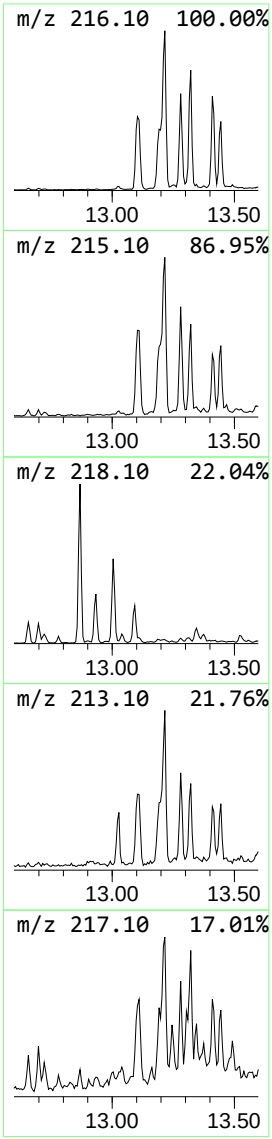
Peak Number 14 Pyrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.098	2.98 ng	234169	Chrysene-d12	14.092

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76





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ALS Vial : 22 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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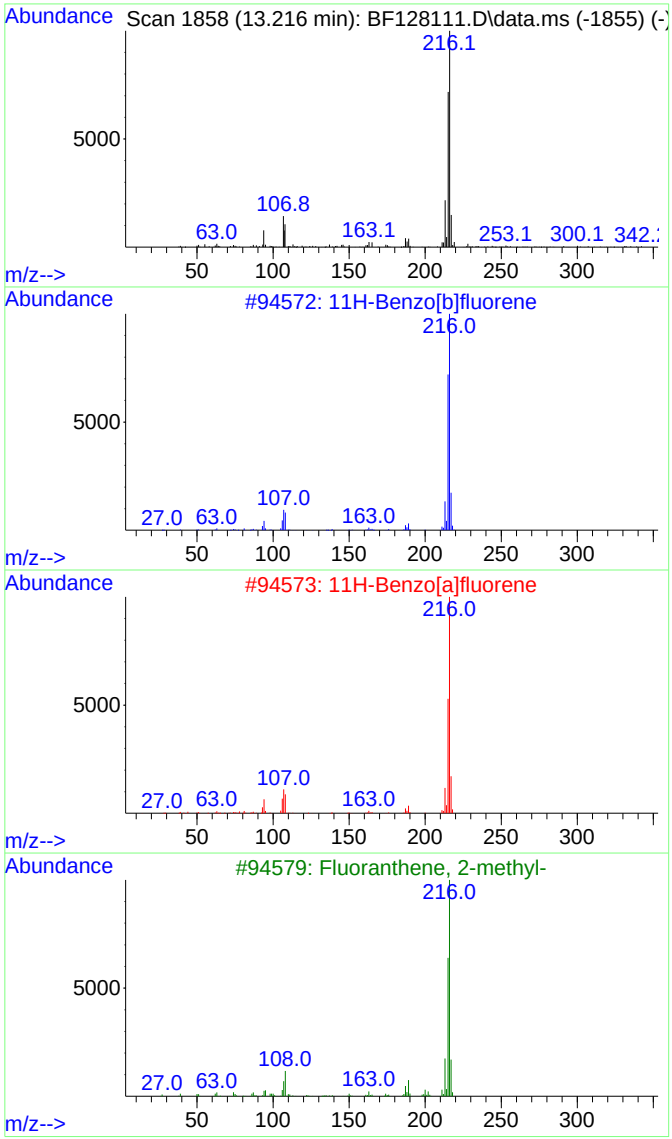
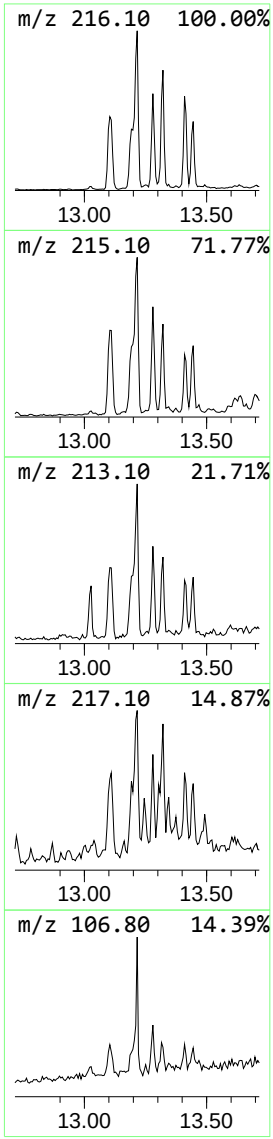
Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.216	3.25 ng	255033	Chrysene-d12	14.092

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	64
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	64





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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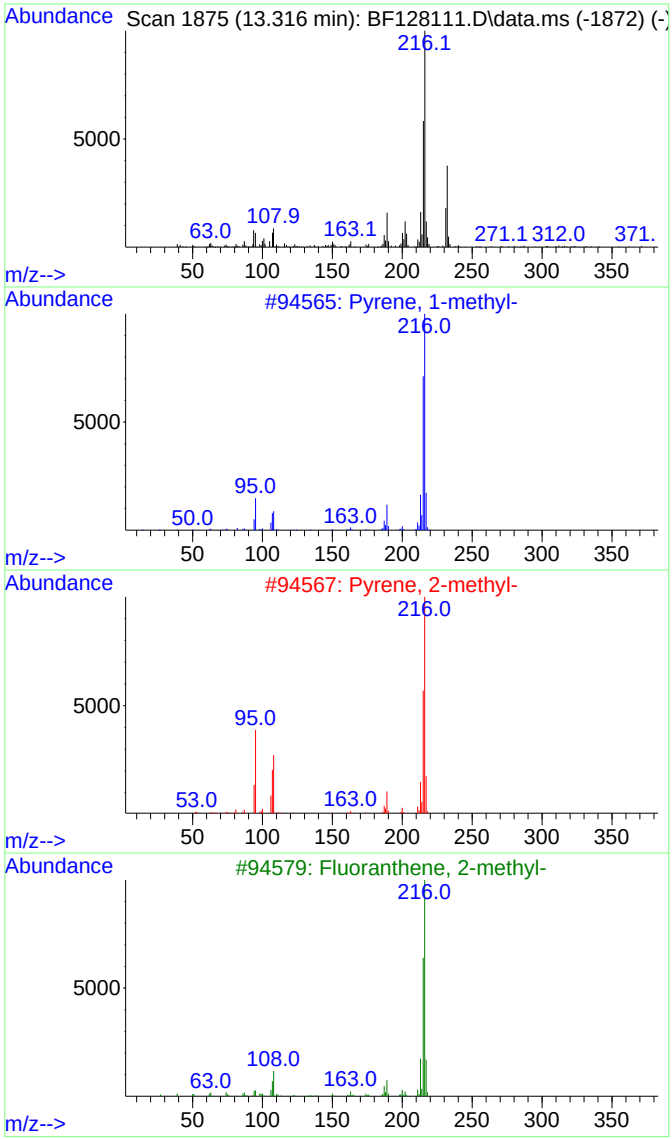
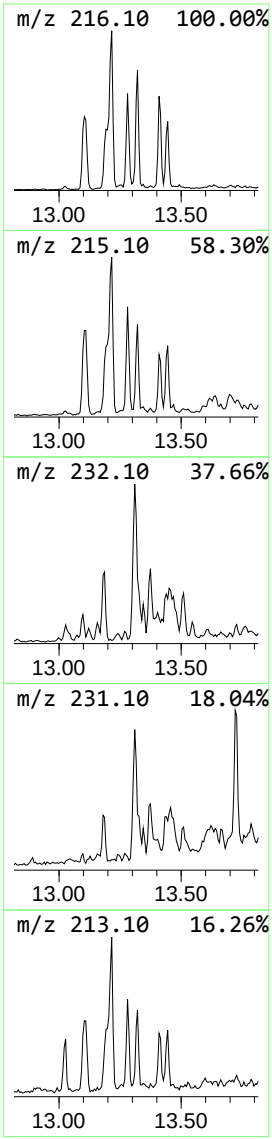
Peak Number 16 Pyrene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.316	2.76 ng	217119	Chrysene-d12	14.092

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	70
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	68





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ALS Vial : 22 Sample Multiplier: 1

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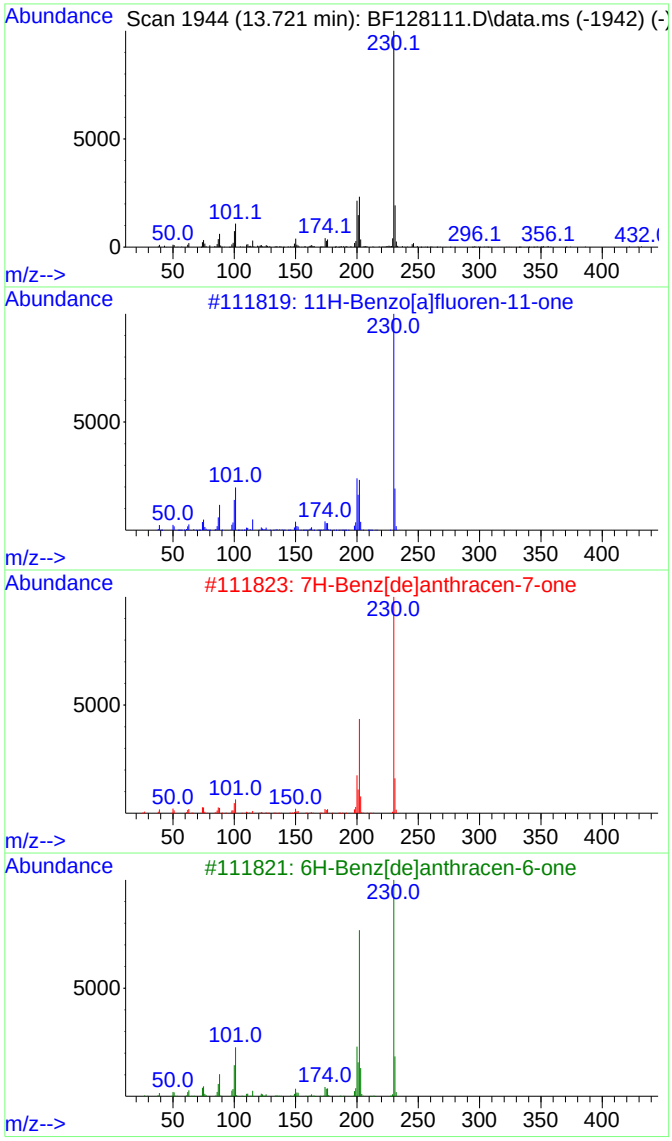
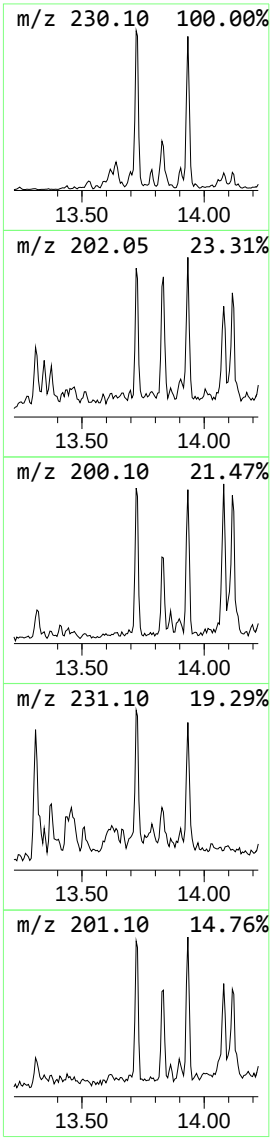
Peak Number 17 11H-Benzo[a]fluoren-11-one Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.721	2.81 ng	221032	Chrysene-d12	14.092

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	94
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	64
4	Dibenzo[c,h][2,6]naphthyridine	230	C16H10N2	000218-30-4	59
5	o-Terphenyl	230	C18H14	000084-15-1	58





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Acq On : 05 May 2022 23:15
Operator : CG\JU
Sample : N2691-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SHALLOW-WC-1

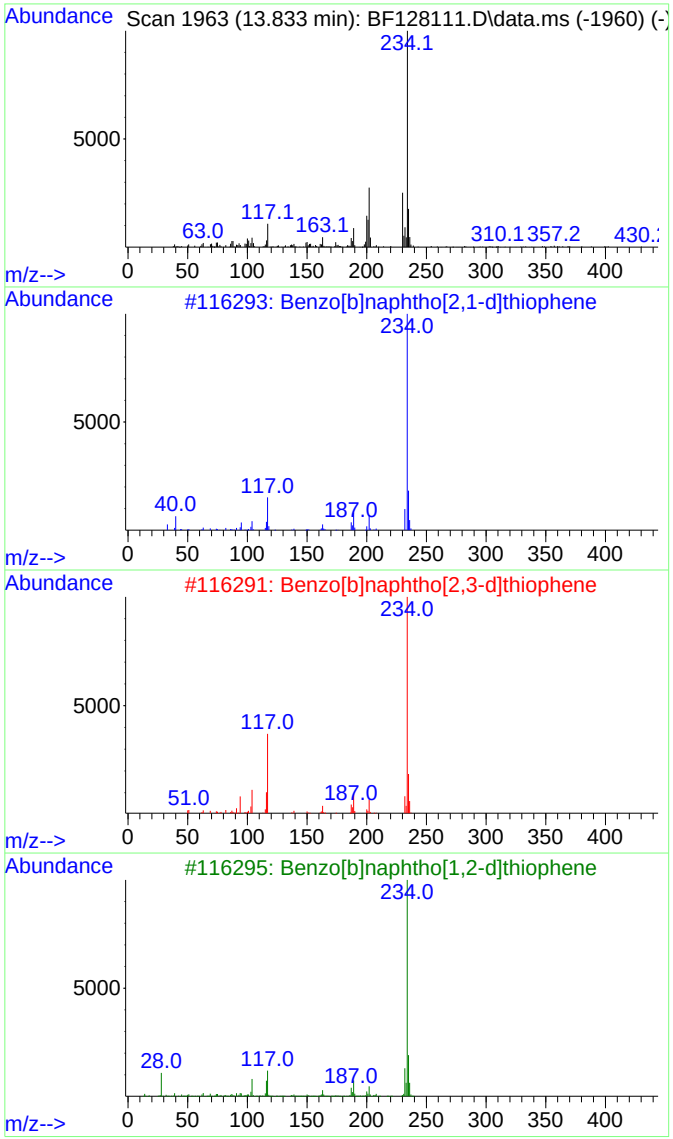
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

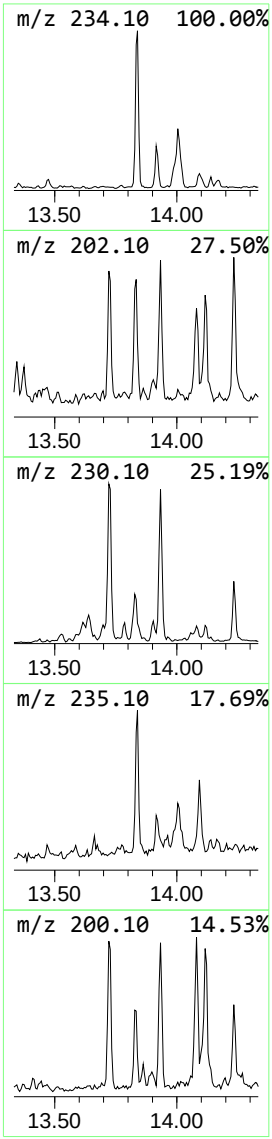
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.833	2.60 ng	204265	Chrysene-d12	14.092

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	92
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	64
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	60
4	Cyclohexene, 1,2-diphenyl-	234	C18H18	041317-87-7	47
5	Imidazole, 4-pentafluorophenyl-	234	C9H3F5N2	081769-58-6	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050522\
Data File : BF128111.D
Acq On : 05 May 2022 23:15
Operator : CG\JU
Sample : N2691-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SHALLOW-WC-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.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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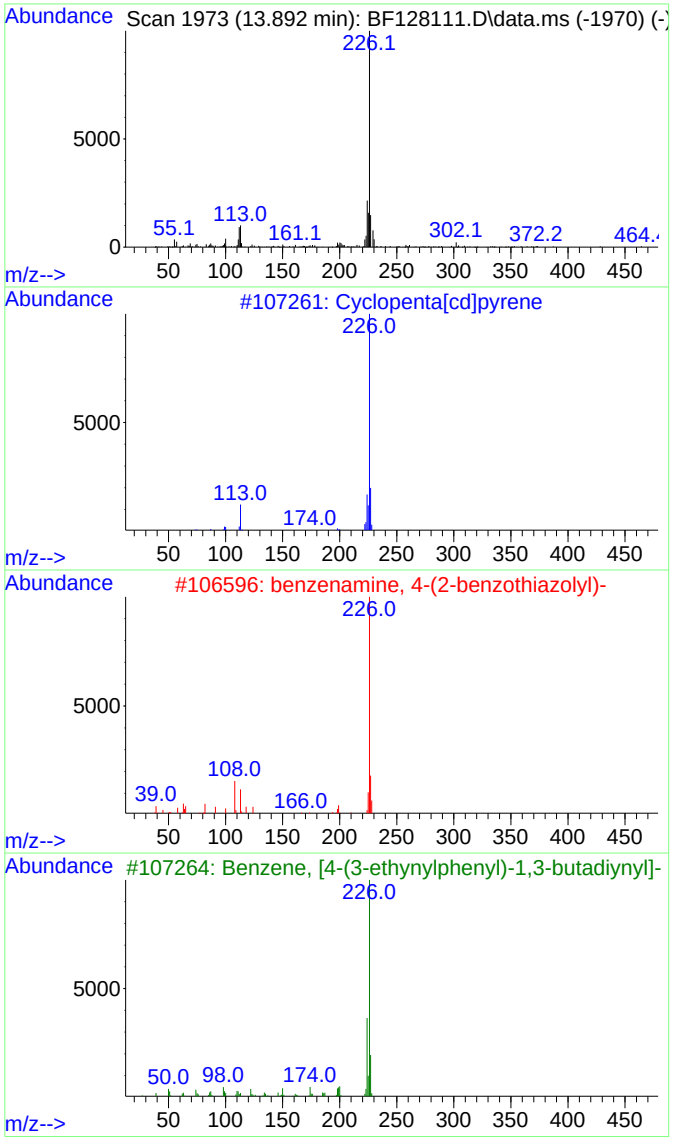
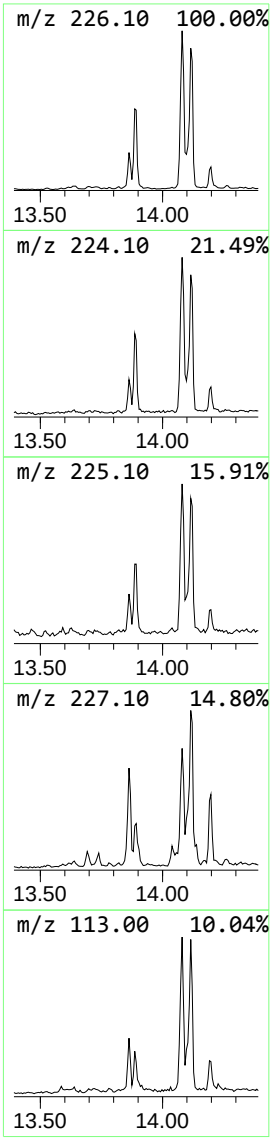
Peak Number 19 Cyclopenta[cd]pyrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.892	3.12 ng	244993	Chrysene-d12	14.092

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	76
2	benzenamine, 4-(2-benzothiazolyl)-	226	C13H10N2S	1000400-93-4	53
3	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	47
4	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	43
5	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	42





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050522\
Data File : BF128111.D
Acq On : 05 May 2022 23:15
Operator : CG\JU
Sample : N2691-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SHALLOW-WC-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

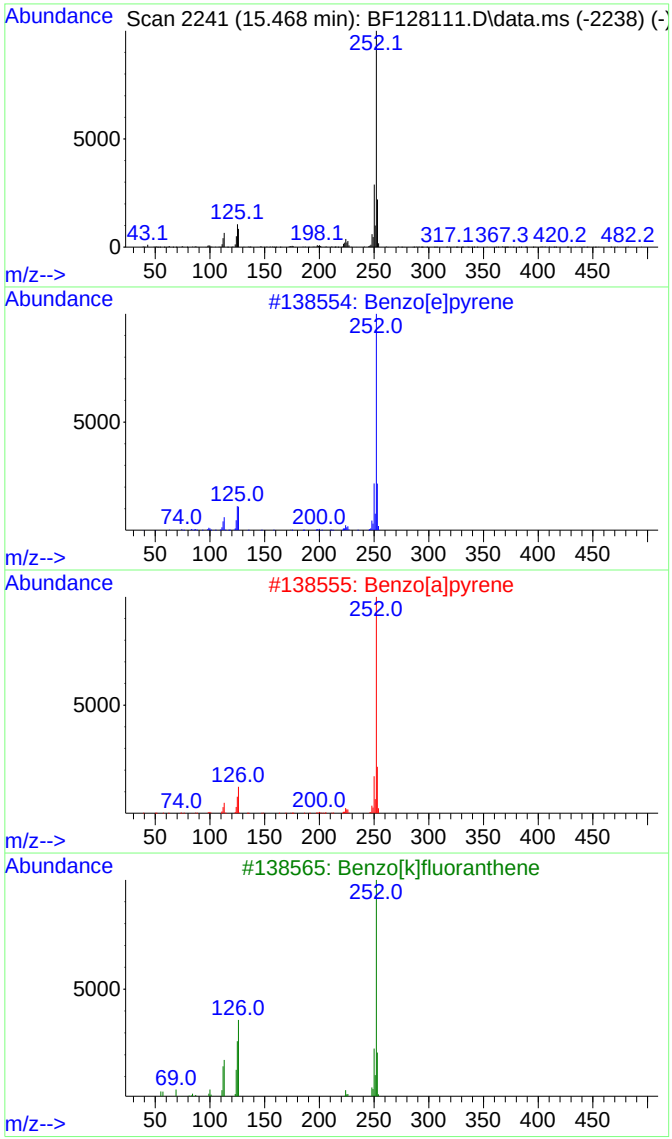
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

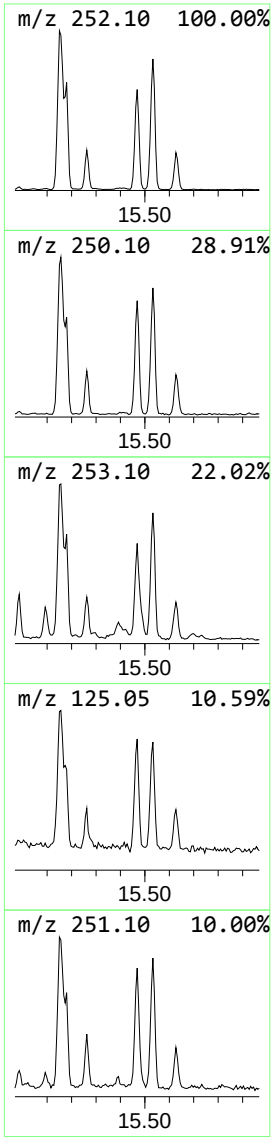
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.468	28.69 ng	490772	Perylene-d12	15.598

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[a]pyrene	252	C20H12	000050-32-8	91
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	90
5	Perylene	252	C20H12	000198-55-0	83





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050522\
Data File : BF128111.D
Acq On : 05 May 2022 23:15
Operator : CG\JU
Sample : N2691-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SHALLOW-WC-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.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
Tetradecane	10.839	2.4	ng	68978	4	11.439	580134	20.0
9H-Fluoren-9-one	11.239	2.4	ng	69913	4	11.439	580134	20.0
3'-Methyl-[1,1'...	11.286	2.4	ng	68236	4	11.439	580134	20.0
Anthracene, 2-m...	11.939	7.0	ng	203163	4	11.439	580134	20.0
Phenanthrene, 1...	11.969	7.3	ng	212465	4	11.439	580134	20.0
Phenanthrene, 2...	12.016	2.5	ng	71814	4	11.439	580134	20.0
4H-Cyclopenta[d...	12.051	10.4	ng	300961	4	11.439	580134	20.0
Phenanthrene, 4...	12.074	3.1	ng	89434	4	11.439	580134	20.0
Naphthalene, 2-...	12.233	4.5	ng	128947	4	11.439	580134	20.0
9,10-Anthracene...	12.263	4.1	ng	119833	4	11.439	580134	20.0
Phenanthrene, 2...	12.492	4.7	ng	134829	4	11.439	580134	20.0
Cyclopenta(def)...	12.580	4.9	ng	142391	4	11.439	580134	20.0
Benzene, 1,1'-(...	12.751	2.9	ng	85063	4	11.439	580134	20.0
Pyrene, 1-methyl-	13.098	3.0	ng	234169	5	14.092	1571810	20.0
11H-Benzo[b]flu...	13.216	3.3	ng	255033	5	14.092	1571810	20.0
Pyrene, 2-methyl-	13.316	2.8	ng	217119	5	14.092	1571810	20.0
11H-Benzo[a]flu...	13.721	2.8	ng	221032	5	14.092	1571810	20.0
Benzo[b]naphtho...	13.833	2.6	ng	204265	5	14.092	1571810	20.0
Cyclopenta[cd]p...	13.892	3.1	ng	244993	5	14.092	1571810	20.0
Benzo[e]pyrene	15.468	28.7	ng	490772	6	15.598	342101	20.0