LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102821\
Data File : BF125991.D
Acq On : 28 Oct 2021 16:21
Operator : JU/CG
Sample : M4388-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 72-12002

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-BF102521.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF125991.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.463	570	574	579	rBV	1324965	1134862	20.80%	1.970%
2	6.475	742	746	749	rBV	1391959	1109169	20.33%	1.925%
3	6.857	808	811	815	rBV	1452170	1173661	21.52%	2.037%
4	7.416	900	906	909	rBV	815538	672382	12.33%	1.167%
5	8.045	1010	1013	1025	rBV	158259	190403	3.49%	0.330%
6	8.139	1025	1029	1032	rBV	1761735	1482282	27.17%	2.573%
7	9.216	1208	1212	1215	rBV	1367635	1122036	20.57%	1.947%
8	9.551	1266	1269	1272	rBV	71100	66402	1.22%	0.115%
9	9.622	1276	1281	1283	rBV2	42896	62103	1.14%	0.108%
10	9.757	1301	1304	1308	rBV	122267	126463	2.32%	0.219%
11	9.892	1321	1327	1330	rBV	1630909	1507989	27.64%	2.617%
12	9.928	1330	1333	1336	rVB	261790	218098	4.00%	0.379%
13	10.098	1358	1362	1364	rBV	165398	143214	2.63%	0.249%
14	10.210	1378	1381	1383	rBV3	73117	78456	1.44%	0.136%
15	10.239	1383	1386	1388	rVB3	65852	70973	1.30%	0.123%
16	10.304	1394	1397	1399	rBV3	85780	85551	1.57%	0.148%
17	10.439	1417	1420	1425	rBV	233703	202305	3.71%	0.351%
18	10.598	1445	1447	1450	rVB	92102	69476	1.27%	0.121%
19	10.675	1457	1460	1465	rBV	687674	682569	12.51%	1.185%
20	10.804	1480	1482	1490	rVB6	125647	163281	2.99%	0.283%
21	11.016	1516	1518	1521	rBV3	84281	72801	1.33%	0.126%
22	11.180	1544	1546	1551	rVB	273187	220095	4.03%	0.382%
23	11.275	1560	1562	1568	rVB	244656	238443	4.37%	0.414%
24	11.380	1576	1580	1582	rBV	1555232	1444034	26.47%	2.506%
25	11.404	1582	1584	1588	rVV	3423060	3103505	56.89%	5.387%
26	11.457	1590	1593	1595	rVB	482051	419353	7.69%	0.728%
27	11.486	1595	1598	1601	rBV	209818	183573	3.37%	0.319%
28	11.604	1614	1618	1621	rBV2	440525	460397	8.44%	0.799%
29	11.710	1634	1636	1638	rBV	135785	97012	1.78%	0.168%
30	11.880	1662	1665	1667	rBV	468304	390278	7.15%	0.677%
31	11.910	1667	1670	1673	rVB	847768	684660	12.55%	1.188%
32	11.992	1681	1684	1686	rBV	729375	734722	13.47%	1.275%
33	12.016	1686	1688	1692	rVB	372630	304970	5.59%	0.529%
34	12.180	1713	1716	1717	rBV	406320	377347	6.92%	0.655%
35	12.198	1717	1719	1726	rVB	834581	726922	13.33%	1.262%
36	12.327	1739	1741	1744	rVB	131881	96895	1.78%	0.168%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102821\
Data File : BF125991.D
Acq On : 28 Oct 2021 16:21
Operator : JU/CG
Sample : M4388-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 72-12002

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-BF102521.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.357	1744	1746	1748	rBV	134568	107526	1.97%	0.187%
38	12.433	1756	1759	1762	rBV	417009	385302	7.06%	0.669%
39	12.516	1770	1773	1778	rVB2	425628	397211	7.28%	0.689%
40	12.598	1782	1787	1791	rVB	4861118	5268519	96.58%	9.144%
41	12.651	1791	1796	1800	rVB3	124856	209357	3.84%	0.363%
42	12.721	1806	1808	1810	rBV	117131	118132	2.17%	0.205%
43	12.745	1810	1812	1816	rVB	233134	204895	3.76%	0.356%
44	12.827	1820	1826	1831	rBV2	4456907	5455034	100.00%	9.468%
45	12.869	1831	1833	1839	rVB2	242268	269293	4.94%	0.467%
46	12.939	1842	1845	1847	rBV	335947	285838	5.24%	0.496%
47	12.963	1847	1849	1857	rVB2	1205591	1280606	23.48%	2.223%
48	13.045	1857	1863	1865	rBV2	347100	566204	10.38%	0.983%
49	13.127	1874	1877	1878	rBV2	253354	258169	4.73%	0.448%
50	13.151	1878	1881	1884	rVB	588741	579251	10.62%	1.005%
51	13.216	1889	1892	1894	rVB	289667	228220	4.18%	0.396%
52	13.251	1895	1898	1901	rBV2	490317	485322	8.90%	0.842%
53	13.280	1901	1903	1906	rVB	210740	170410	3.12%	0.296%
54	13.310	1906	1908	1910	rBV2	103814	83452	1.53%	0.145%
55	13.345	1912	1914	1917	rVB	288699	209223	3.84%	0.363%
56	13.374	1917	1919	1923	rBV	288967	261134	4.79%	0.453%
57	13.657	1963	1967	1972	rVB	571068	620956	11.38%	1.078%
58	13.768	1981	1986	1989	rBV2	508896	727247	13.33%	1.262%
59	13.798	1989	1991	1993	rVV	475252	429569	7.87%	0.746%
60	13.821	1993	1995	1999	rVV2	401061	540327	9.91%	0.938%
61	13.863	1999	2002	2010	rVB2	609715	864429	15.85%	1.500%
62	14.016	2021	2028	2031	rBV3	2426917	3755593	68.85%	6.518%
63	14.045	2031	2033	2039	rVB	2213424	2226636	40.82%	3.865%
64	14.127	2044	2047	2049	rVB	262914	218522	4.01%	0.379%
65	14.239	2063	2066	2070	rVB2	215071	249651	4.58%	0.433%
66	14.274	2070	2072	2075	rBV	125505	97577	1.79%	0.169%
67	14.404	2092	2094	2097	rVB	296782	243768	4.47%	0.423%
68	14.439	2097	2100	2103	rVB2	327855	317160	5.81%	0.550%
69	14.498	2107	2110	2112	rBV2	275692	245301	4.50%	0.426%
70	14.527	2112	2115	2117	rBV2	268211	283865	5.20%	0.493%
71	14.951	2184	2187	2193	rVB2	358631	452712	8.30%	0.786%
72	15.063	2201	2206	2209	rBV	1544710	2411970	44.22%	4.186%
73	15.145	2217	2220	2223	rBV2	352860	453688	8.32%	0.787%
74	15.192	2226	2228	2236	rVB4	342860	518900	9.51%	0.901%
75	15.362	2253	2257	2263	rVB	876947	1105807	20.27%	1.919%
76	15.427	2263	2268	2273	rVV	1195379	1414963	25.94%	2.456%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102821\
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Acq On : 28 Oct 2021 16:21
Operator : JU/CG
Sample : M4388-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 72-12002

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-BF102521.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	15.486	2274	2278	2281	rVV	667070	860071	15.77%	1.493%
78	15.515	2281	2283	2290	rVB2	376295	537170	9.85%	0.932%
79	15.968	2357	2360	2366	rBV	258148	378017	6.93%	0.656%
80	16.951	2522	2527	2534	rVB2	534757	998416	18.30%	1.733%
81	17.392	2597	2602	2618	rVB	411388	923942	16.94%	1.604%

Sum of corrected areas: 57616037

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102821\
Data File : BF125991.D
Acq On : 28 Oct 2021 16:21
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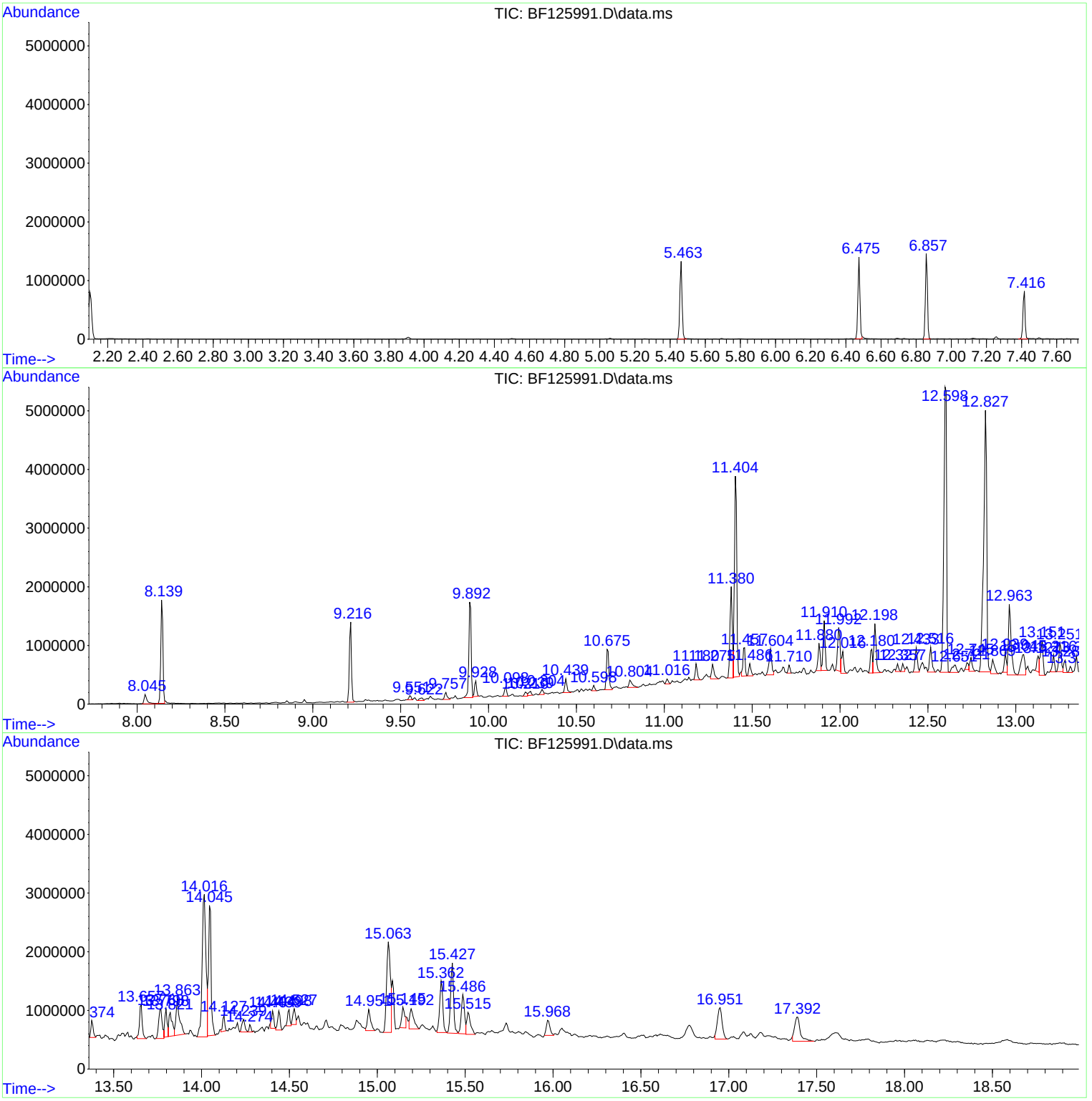
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
72-12002

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.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\BF102821\
Data File : BF125991.D
Acq On : 28 Oct 2021 16:21
Operator : JU/CG
Sample : M4388-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 72-12002

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

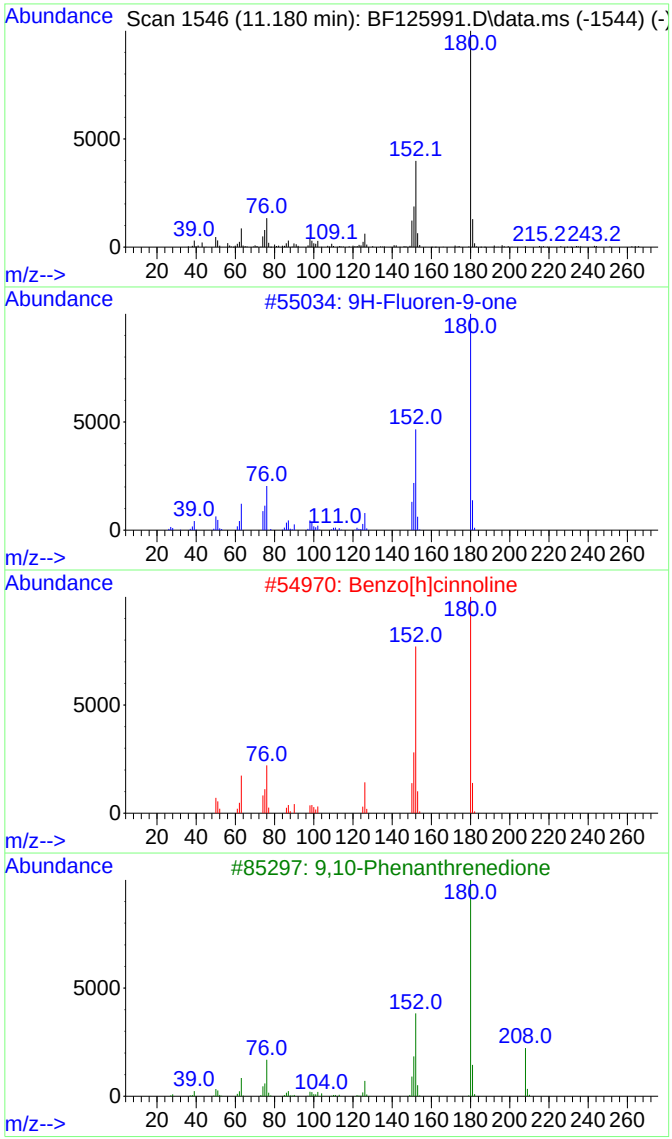
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

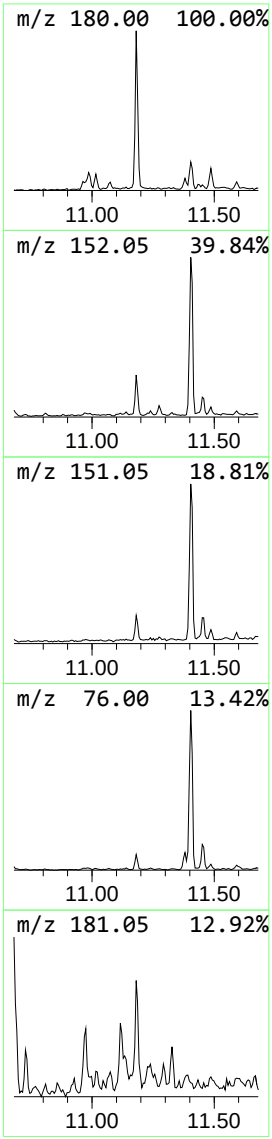
****

Peak Number 1 9H-Fluoren-9-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.180	3.05 ng	220095	Phenanthrene-d10	11.380

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	97
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91
3	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	90
4	Diphenic anhydride	224	C14H8O3	006050-13-1	64
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102821\
Data File : BF125991.D
Acq On : 28 Oct 2021 16:21
Operator : JU/CG
Sample : M4388-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 72-12002

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

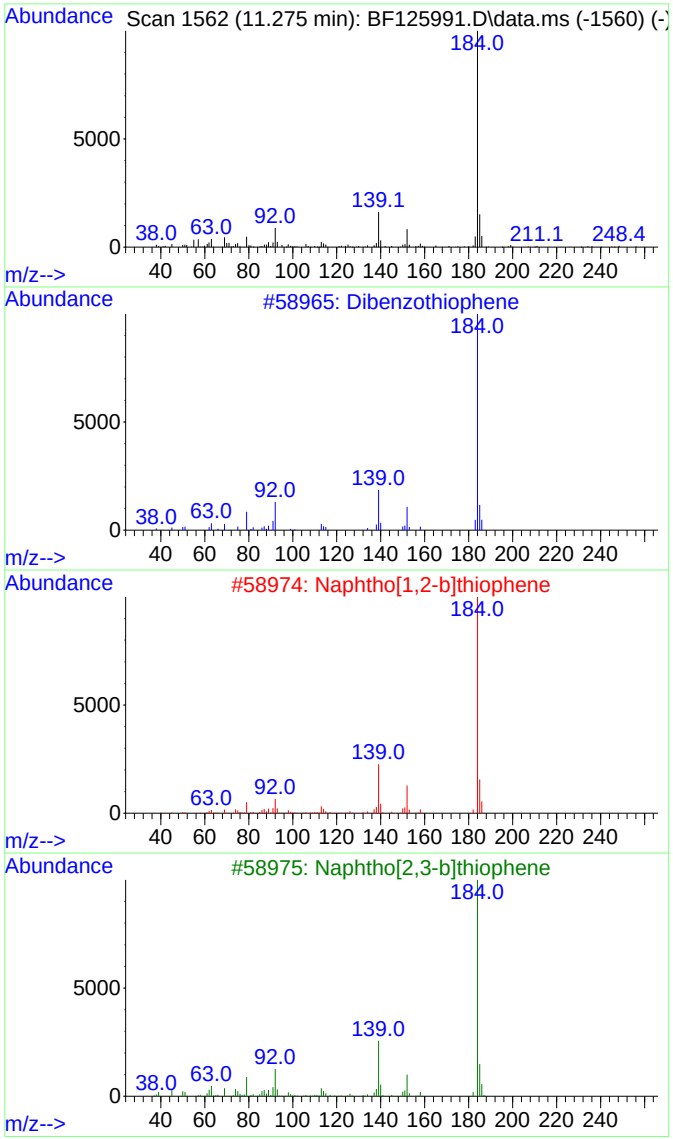
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

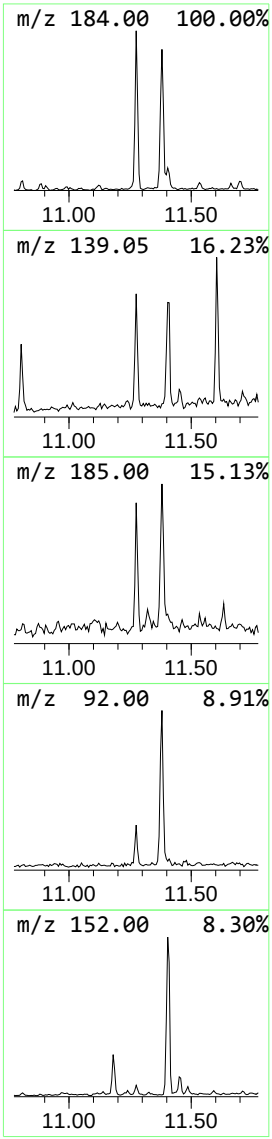
****

Peak Number 2 Dibenzothiophene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.275	3.30 ng	238443	Phenanthrene-d10	11.380

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	86
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102821\
Data File : BF125991.D
Acq On : 28 Oct 2021 16:21
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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 72-12002

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

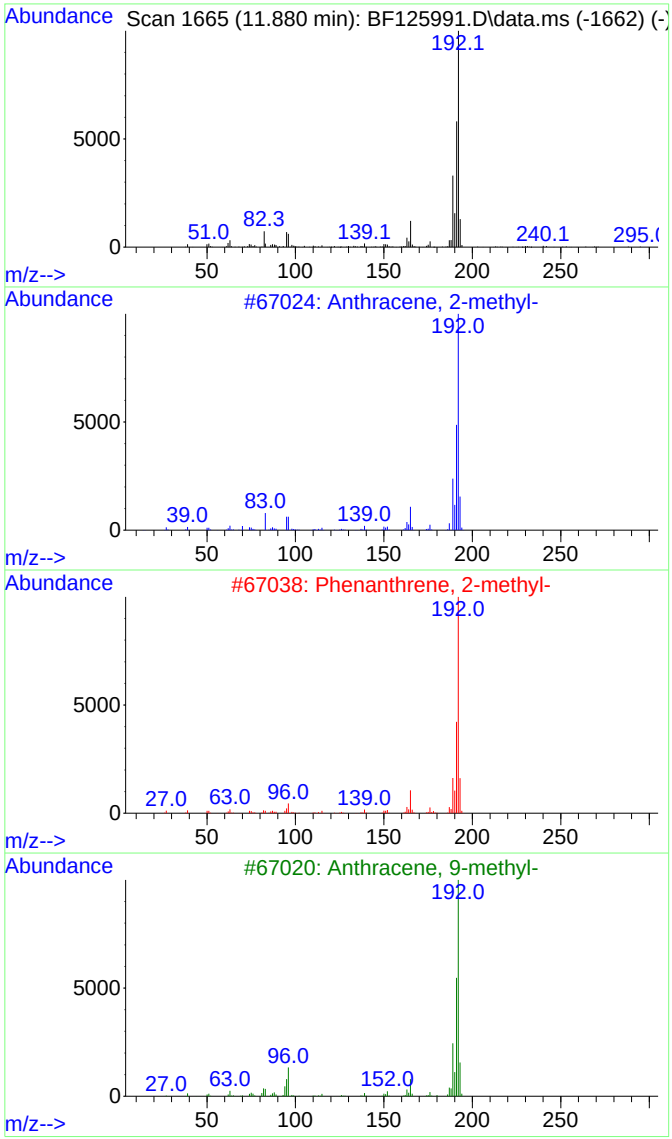
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

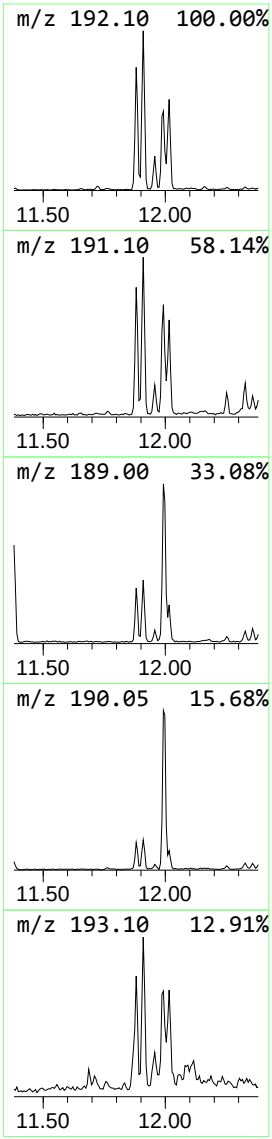
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.880	5.41 ng	390278	Phenanthrene-d10	11.380

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102821\
Data File : BF125991.D
Acq On : 28 Oct 2021 16:21
Operator : JU/CG
Sample : M4388-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
72-12002

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

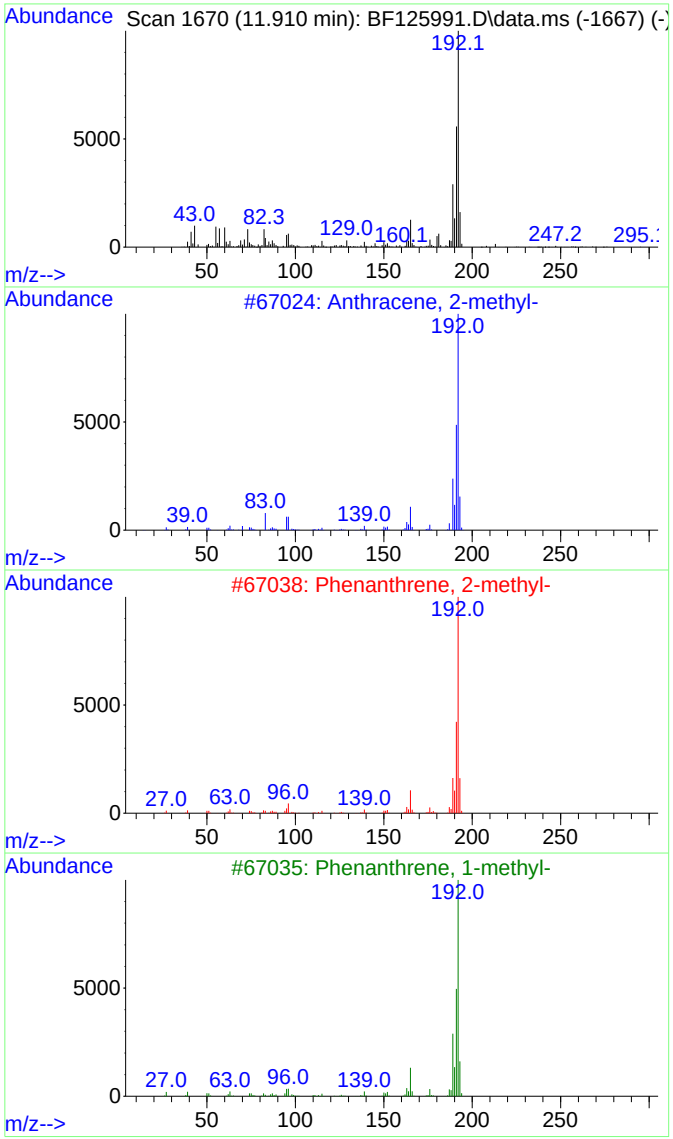
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

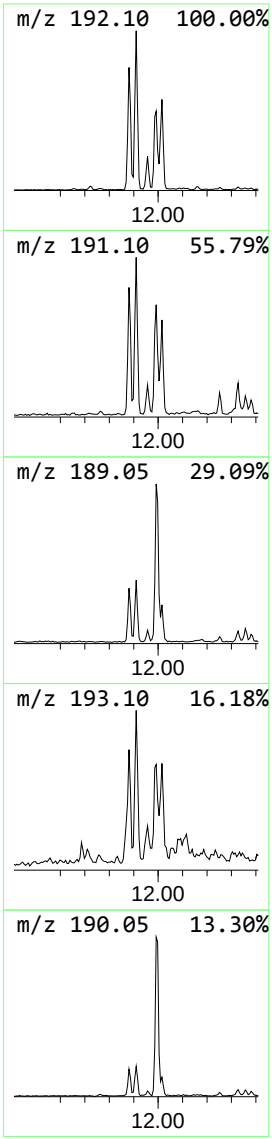
****

Peak Number 4 Anthracene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.910	9.48 ng	684660	Phenanthrene-d10	11.380

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	96
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102821\
Data File : BF125991.D
Acq On : 28 Oct 2021 16:21
Operator : JU/CG
Sample : M4388-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 72-12002

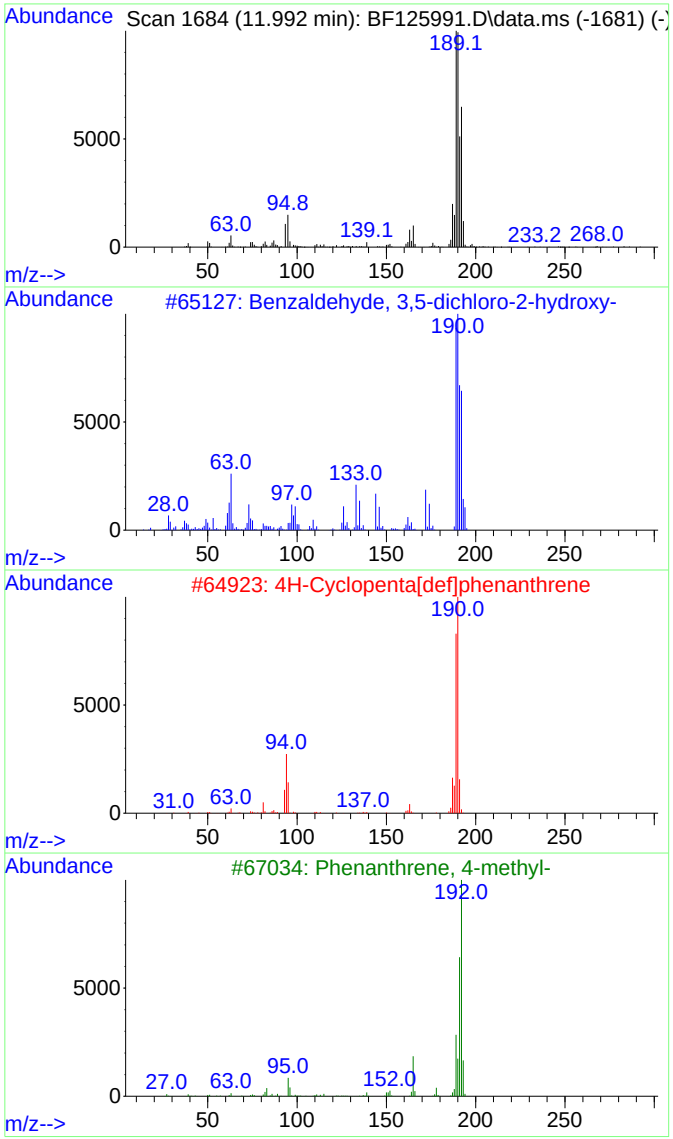
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

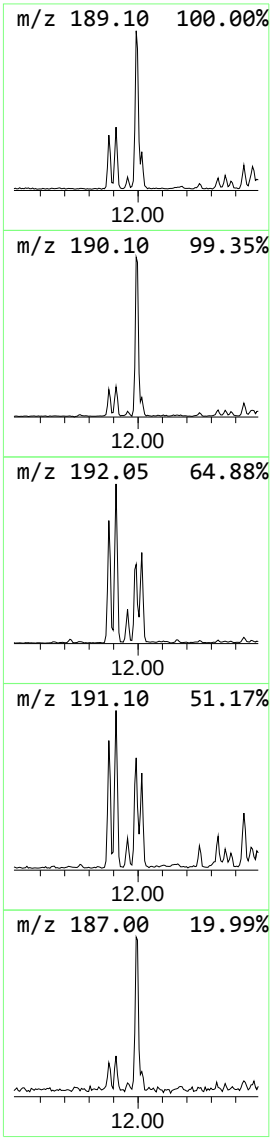
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Benzaldehyde, 3,5-dichloro-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.992	10.18 ng	734722	Phenanthrene-d10	11.380

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	38
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102821\
Data File : BF125991.D
Acq On : 28 Oct 2021 16:21
Operator : JU/CG
Sample : M4388-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 72-12002

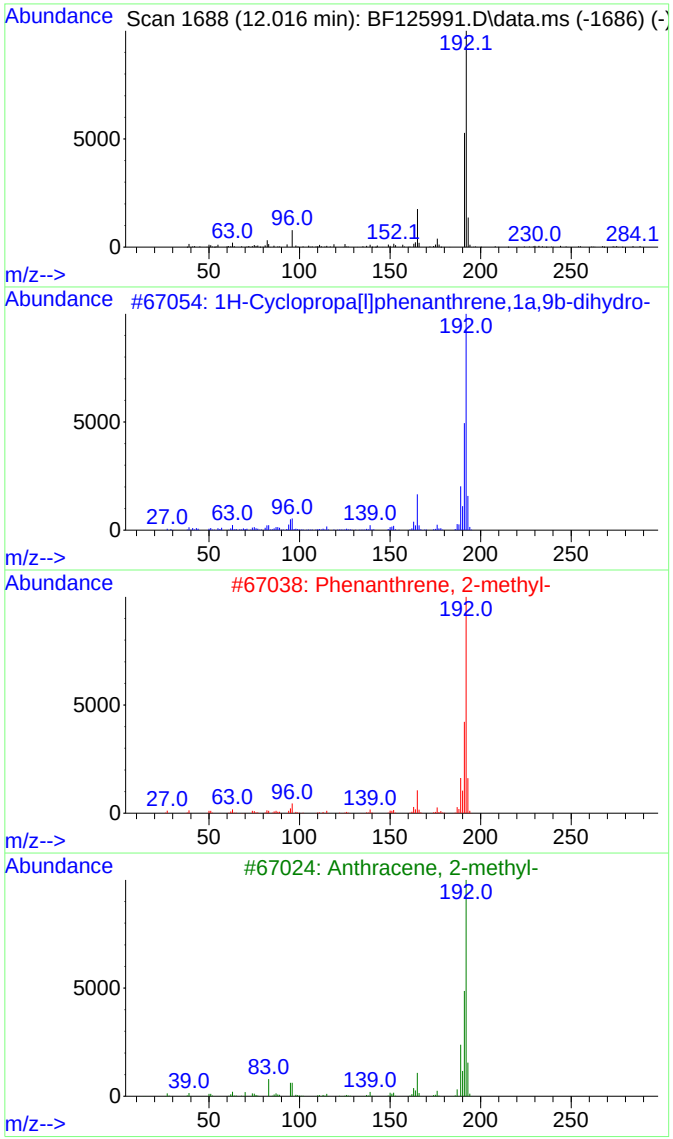
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

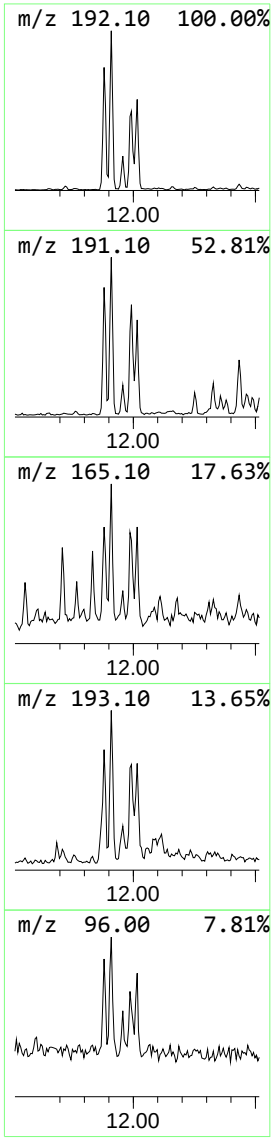
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 1H-Cyclopropa[l]phenanthren... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.016	4.22 ng	304970	Phenanthrene-d10	11.380

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90





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Sample : M4388-01 5X
Misc :
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ClientSampleId : 72-12002

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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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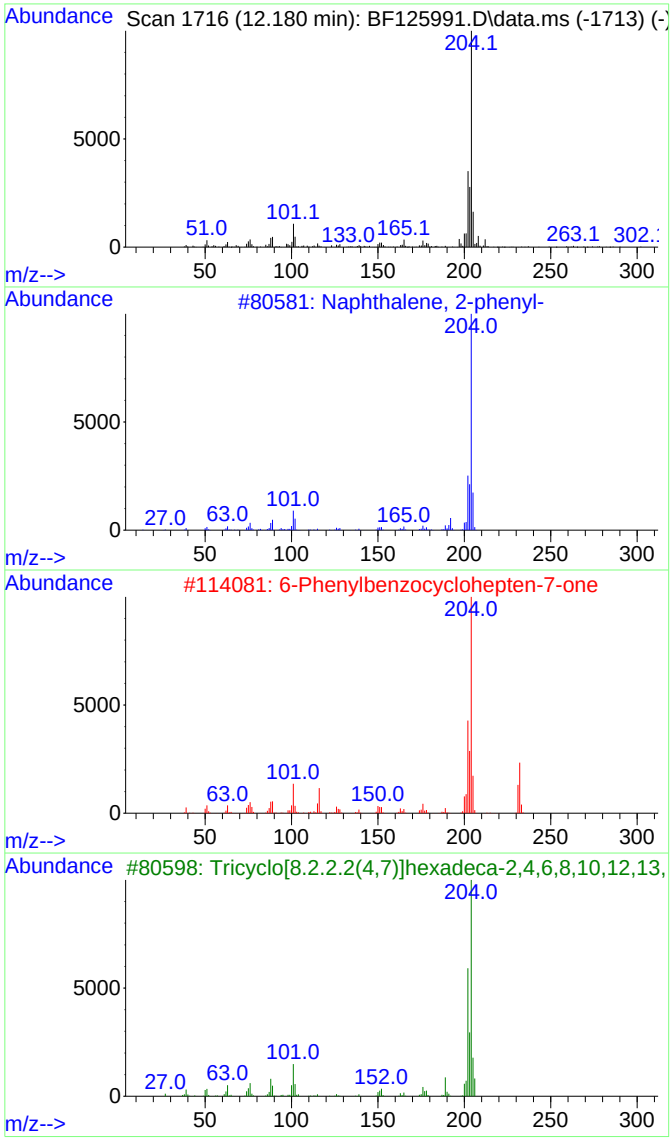
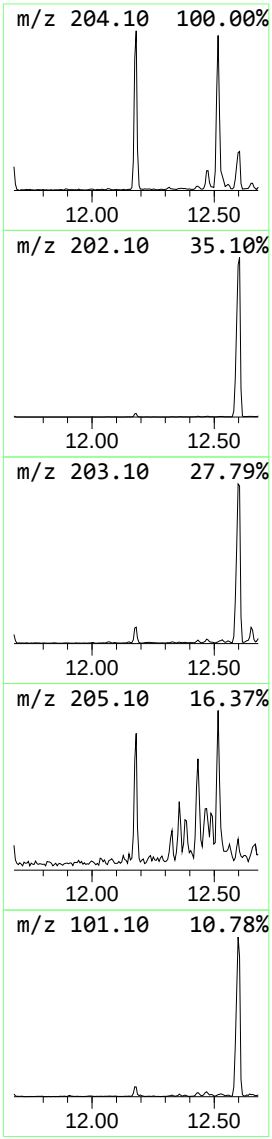
Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.180	5.23 ng	377347	Phenanthrene-d10	11.380

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	87
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	55





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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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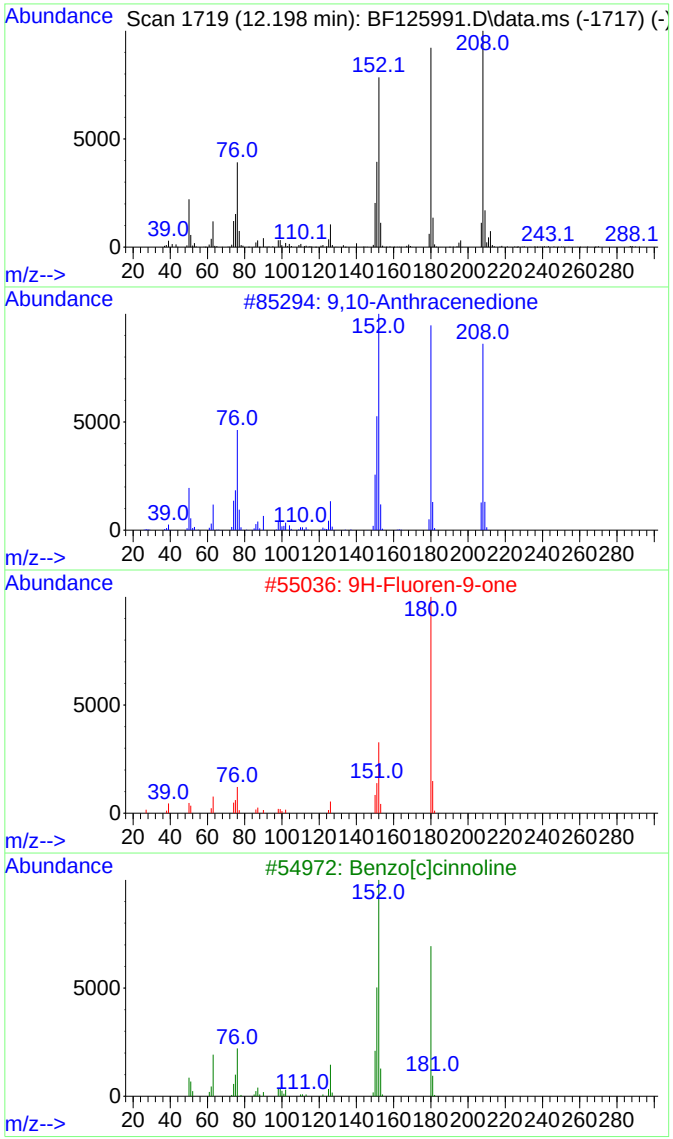
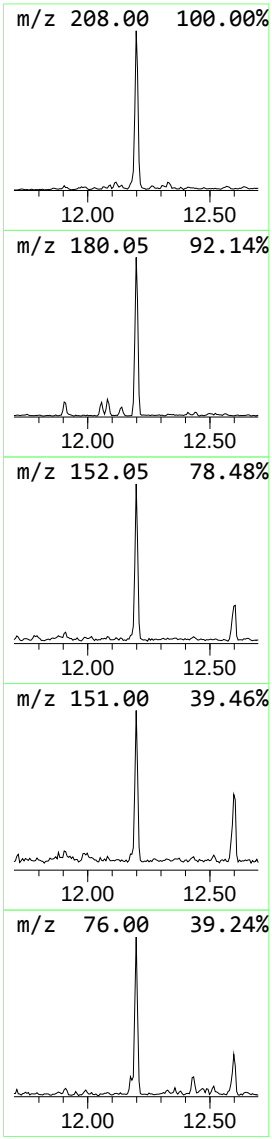
Peak Number 8 9,10-Anthracenedione Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.198	10.07 ng	726922	Phenanthrene-d10	11.380

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	62
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	53





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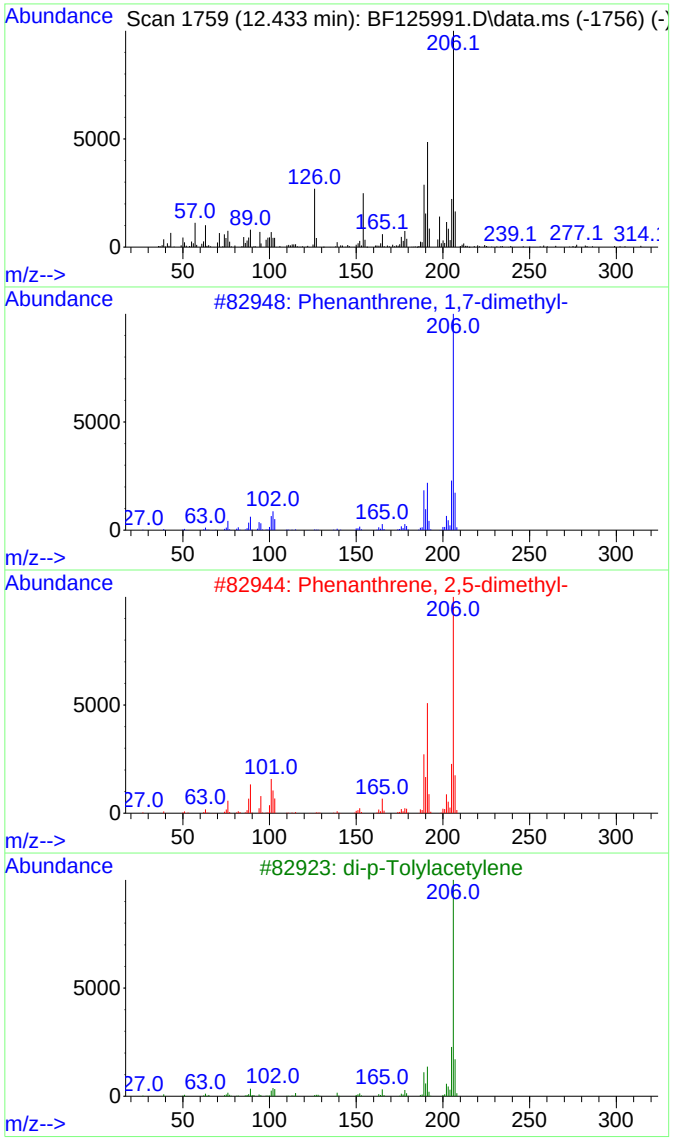
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

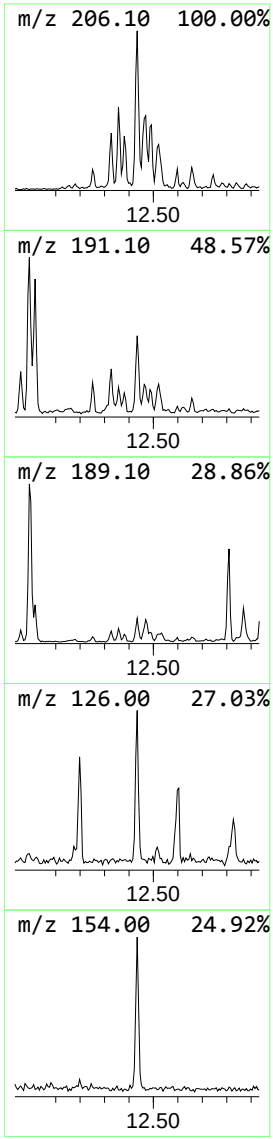
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Phenanthrene, 1,7-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.433	5.34 ng	385302	Phenanthrene-d10	11.380

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	89
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	89
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	89
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	86





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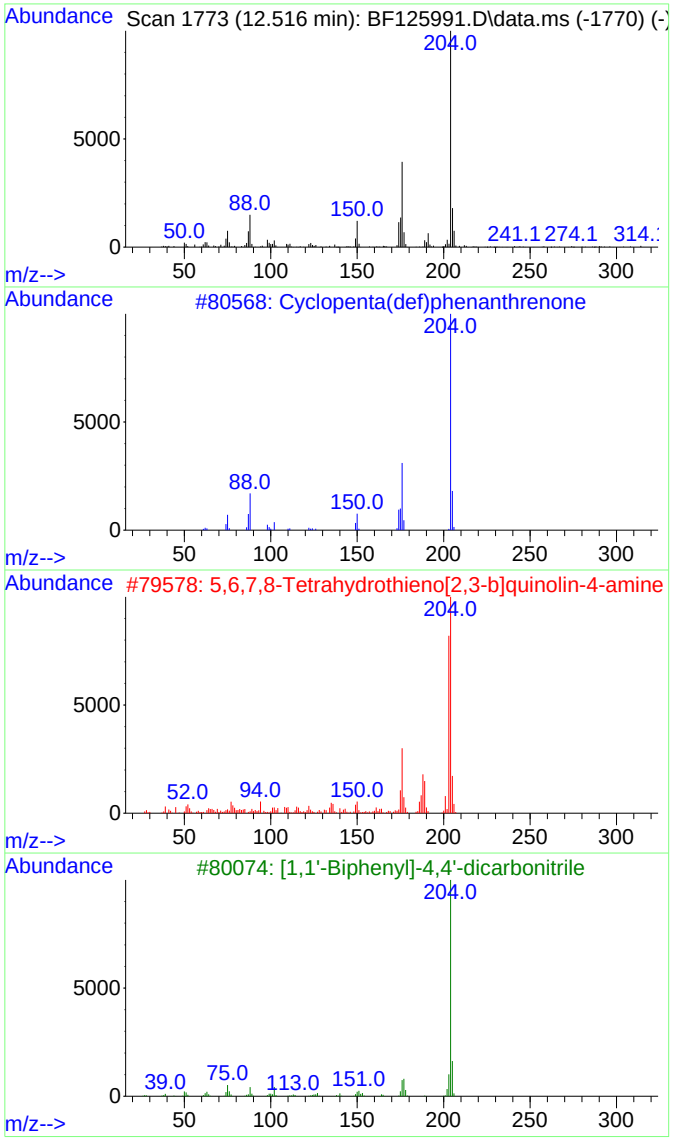
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

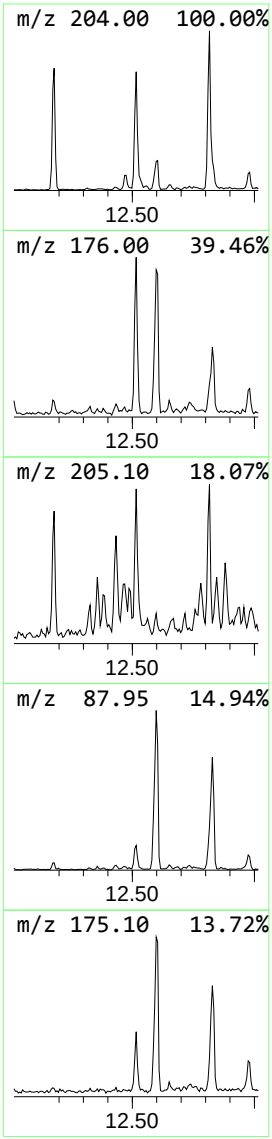
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.516	5.50 ng	397211	Phenanthrene-d10	11.380

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	72
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	58
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	47





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Misc :
ALS Vial : 13 Sample Multiplier: 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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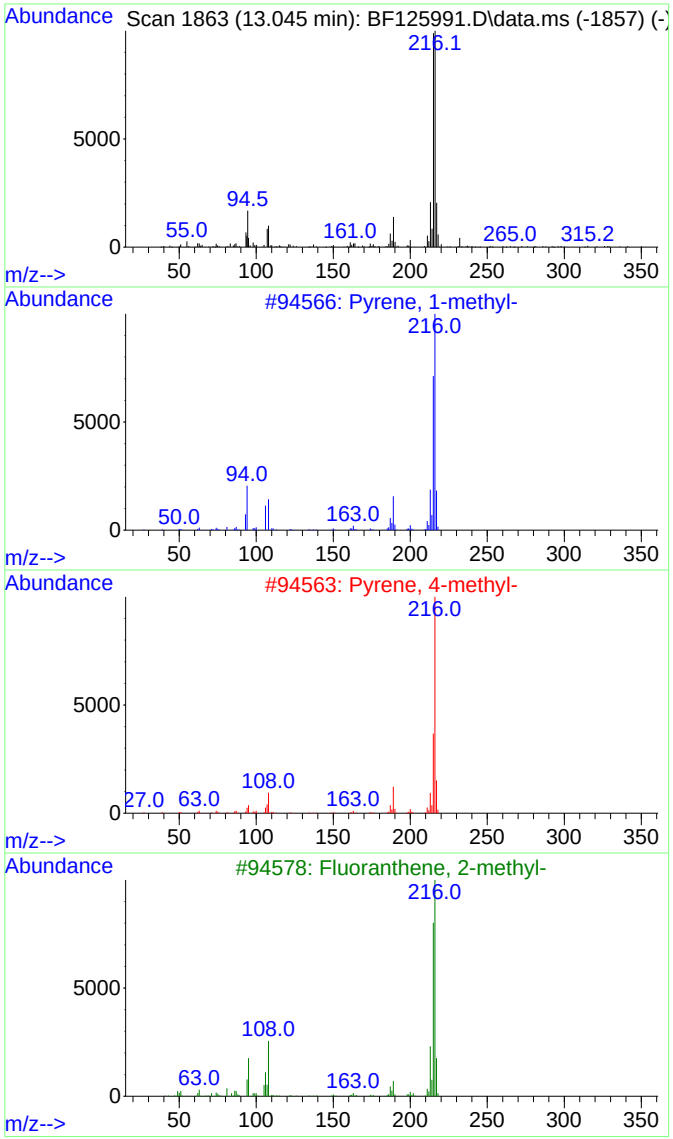
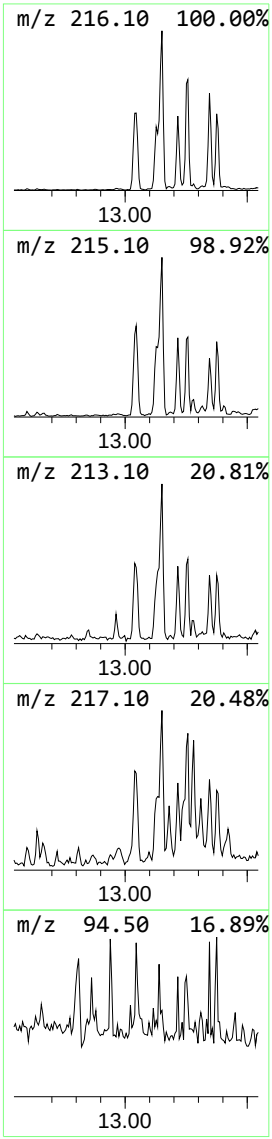
Peak Number 11 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.045	3.02 ng	566204	Chrysene-d12	14.021

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	92
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
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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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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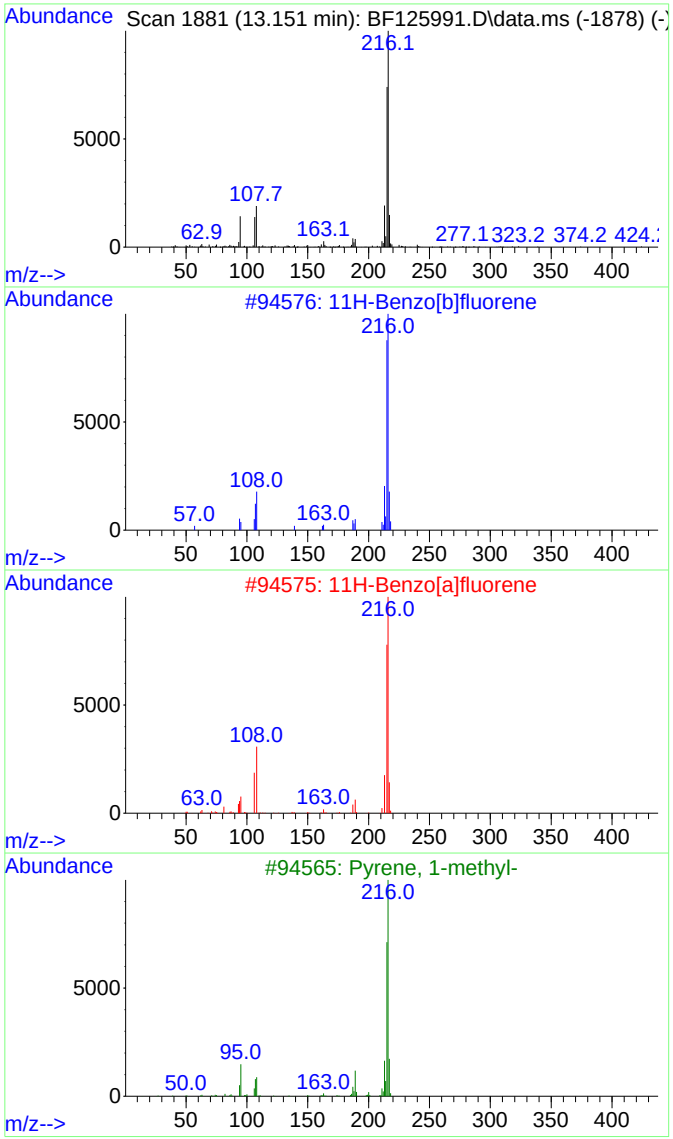
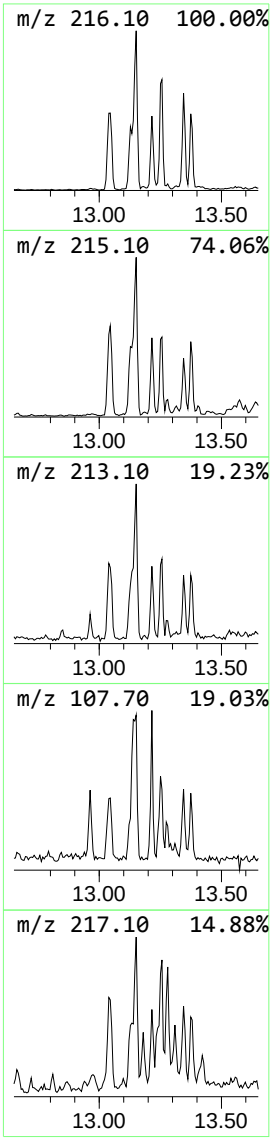
Peak Number 12 11H-Benzo[b]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.151	3.08 ng	579251	Chrysene-d12	14.021

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	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	81
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76





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

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

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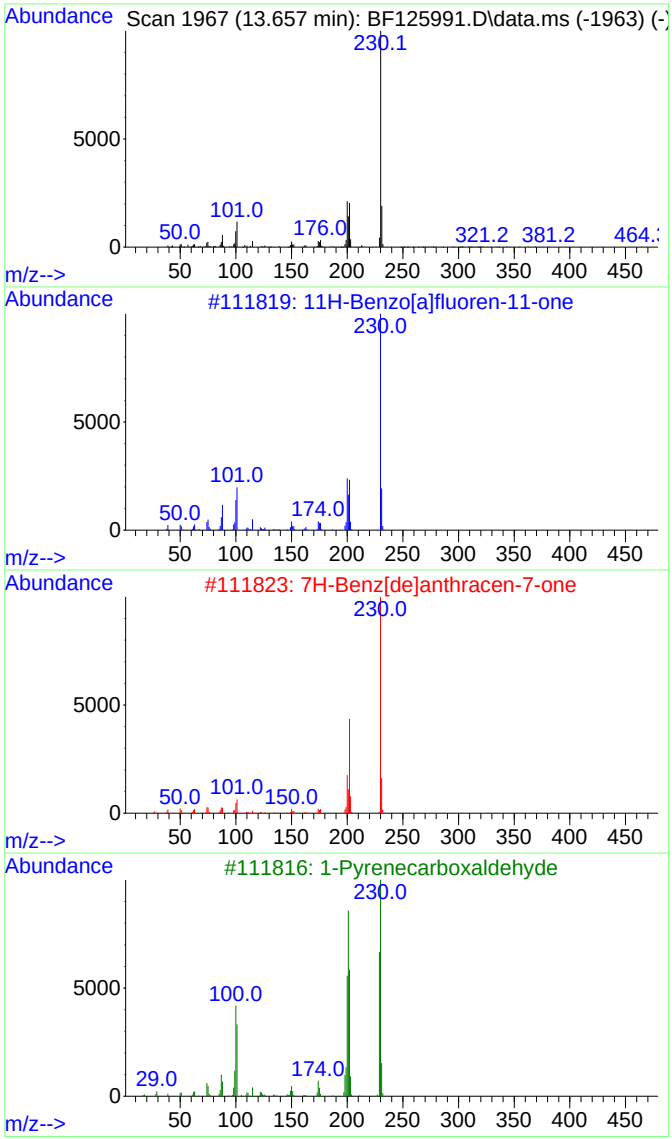
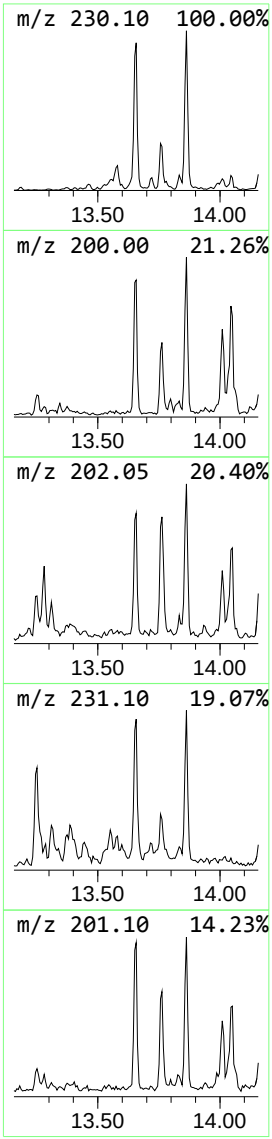
Peak Number 13 11H-Benzo[a]fluoren-11-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.657	3.31 ng	620956	Chrysene-d12	14.021

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	90
3	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	78
4	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	72
5	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	72





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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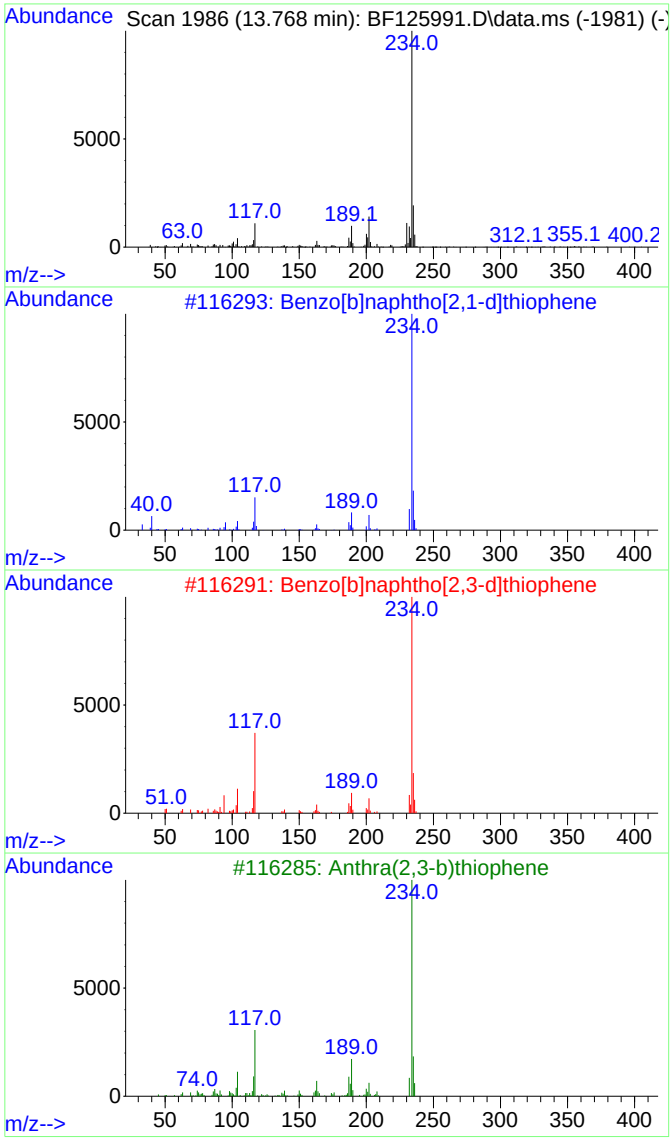
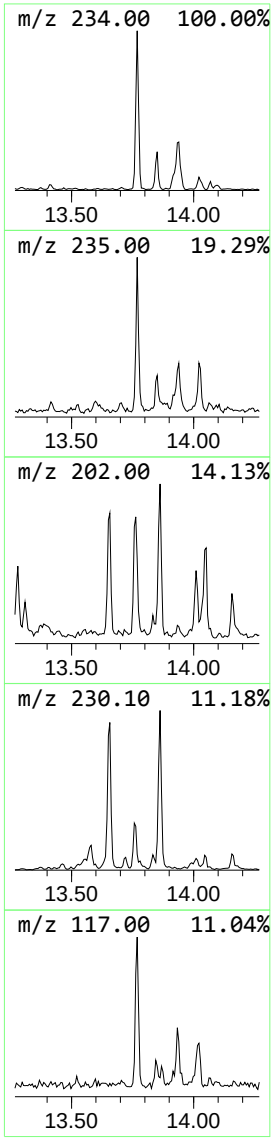
Peak Number 14 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.769	3.87 ng	727247	Chrysene-d12	14.021

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	90
3	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	80
4	Phenanthro(2,1-b)thiophene	234	C16H10S	000219-25-0	74
5	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	72





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TIC Library : C:\Database\NIST20.L
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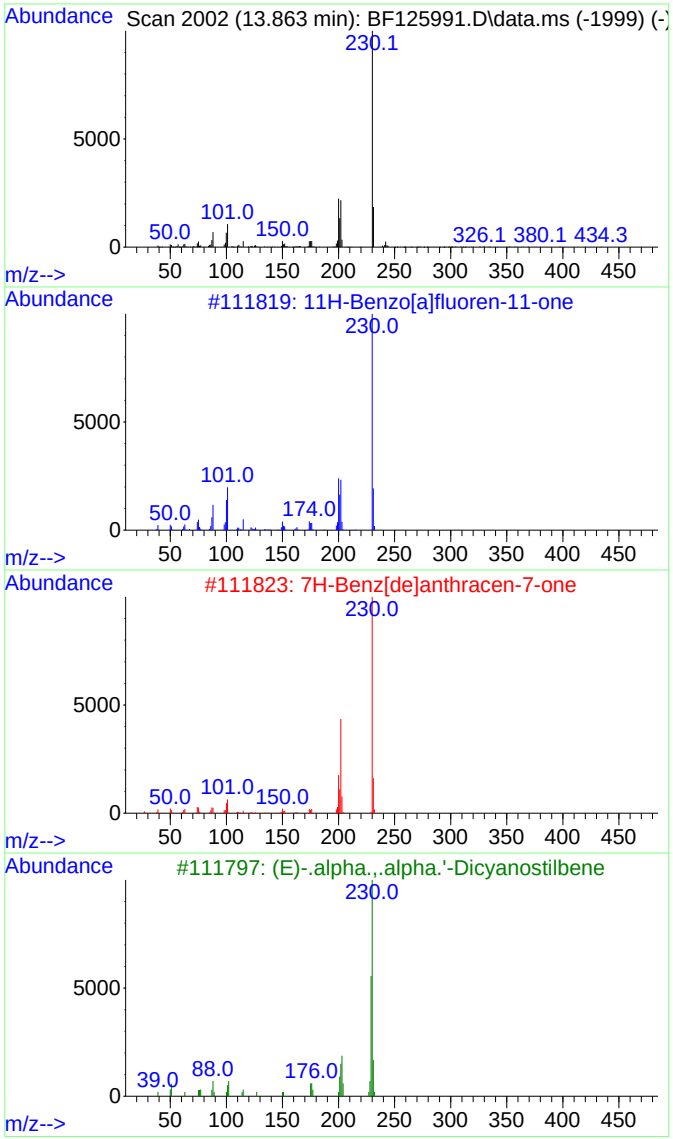
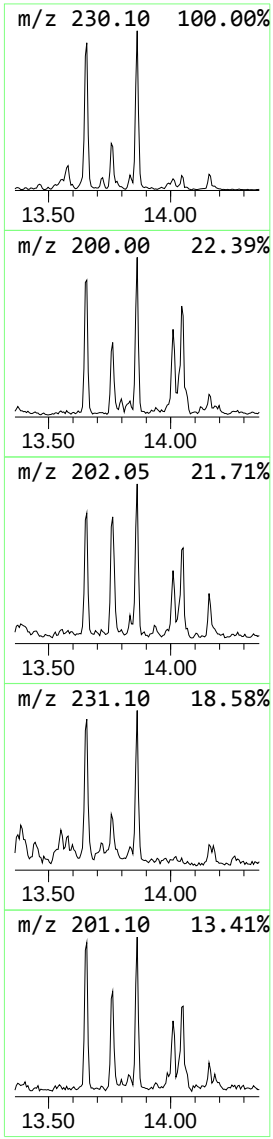
Peak Number 15 7H-Benz[de]anthracen-7-one Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.863	4.60 ng	864429	Chrysene-d12	14.021

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	96
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
3	(E)-.alpha.,.alpha.'-Dicyanostil...	230	C16H10N2	002450-55-7	64
4	4-Isothiazolecarbonitrile, 3,5-b...	230	C8H10N2S3	024135-13-5	59
5	o-Terphenyl	230	C18H14	000084-15-1	58





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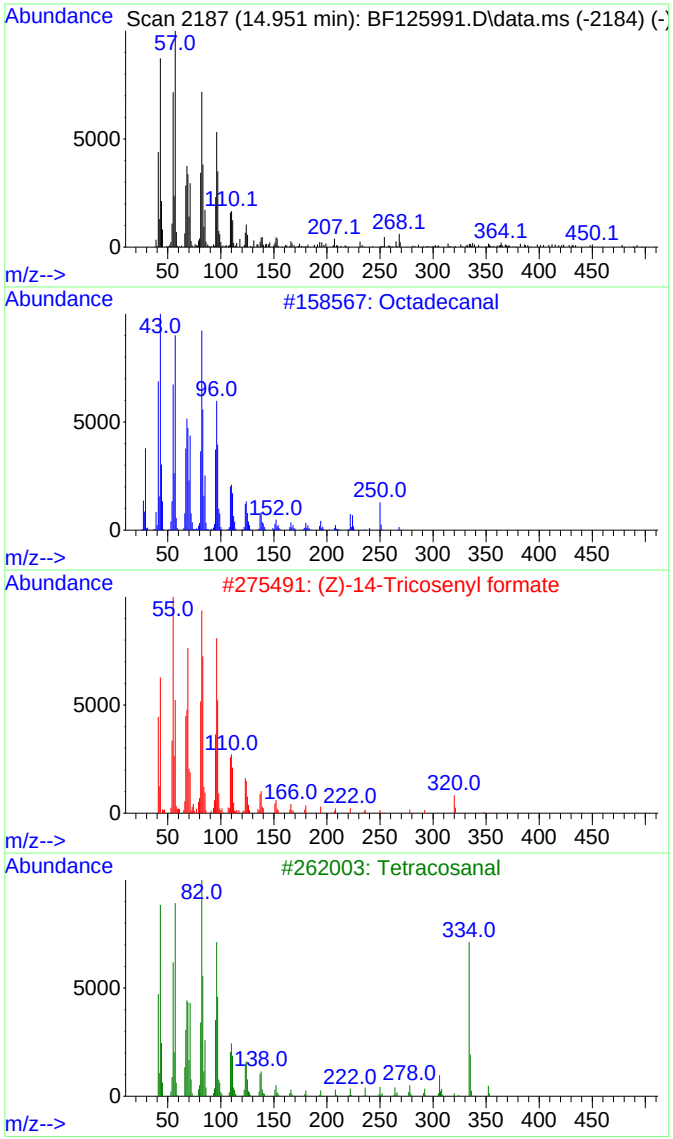
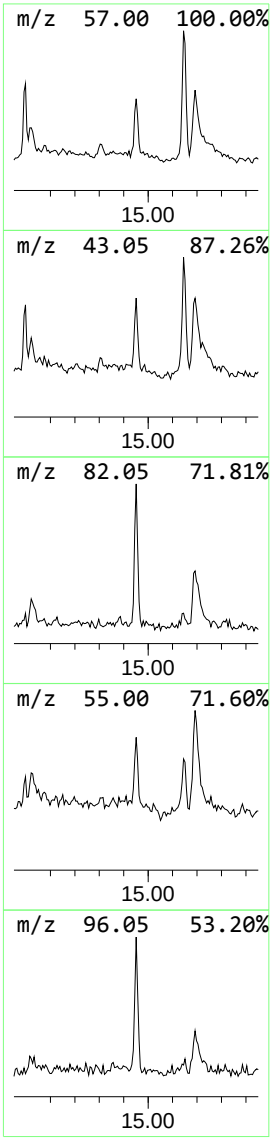
Peak Number 16 Octadecanal Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.951	10.53 ng	452712	Perylene-d12	15.486

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanal	268	C18H36O	000638-66-4	90
2	(Z)-14-Tricosenyl formate	366	C24H46O2	077899-10-6	90
3	Tetracosanal	352	C24H48O	057866-08-7	87
4	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	87
5	1,16-Hexadecanediol	258	C16H34O2	007735-42-4	86





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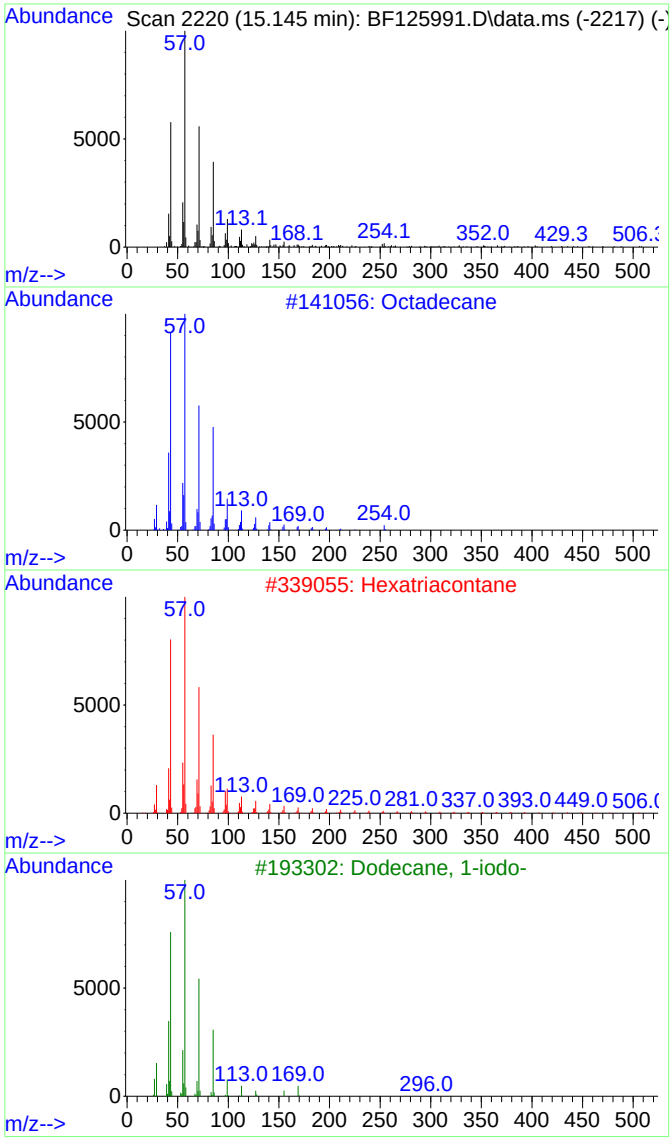
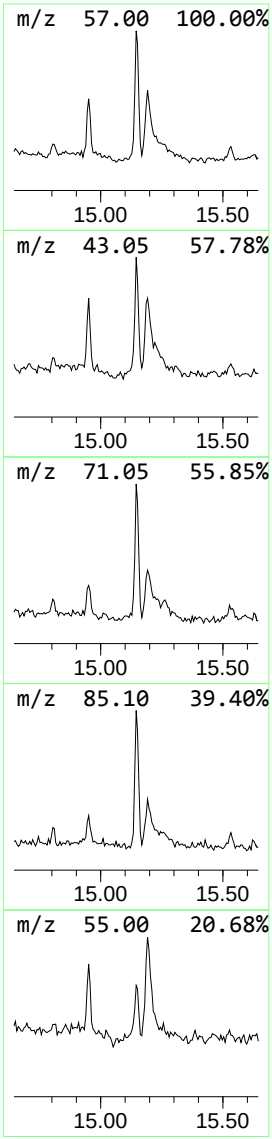
Peak Number 17 Octadecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.145	10.55 ng	453688	Perylene-d12	15.486

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	95
2	Hexatriacontane	507	C36H74	000630-06-8	93
3	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	91
4	Heneicosane	296	C21H44	000629-94-7	91
5	Hexacosane	366	C26H54	000630-01-3	91





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Operator : JU/CG
Sample : M4388-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 72-12002

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.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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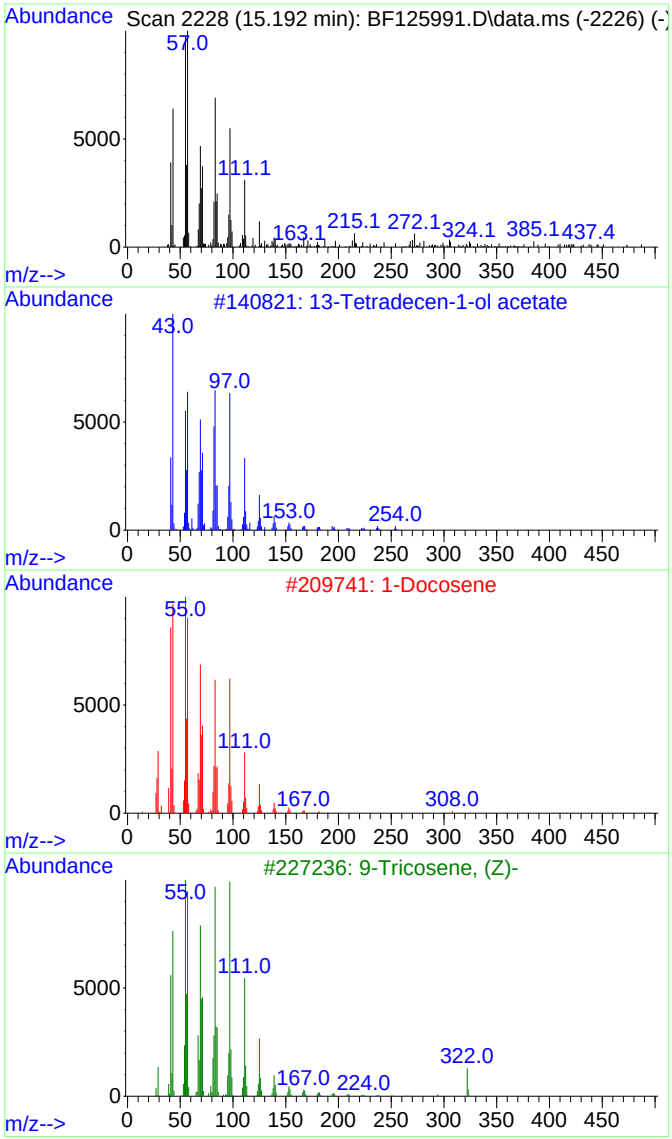
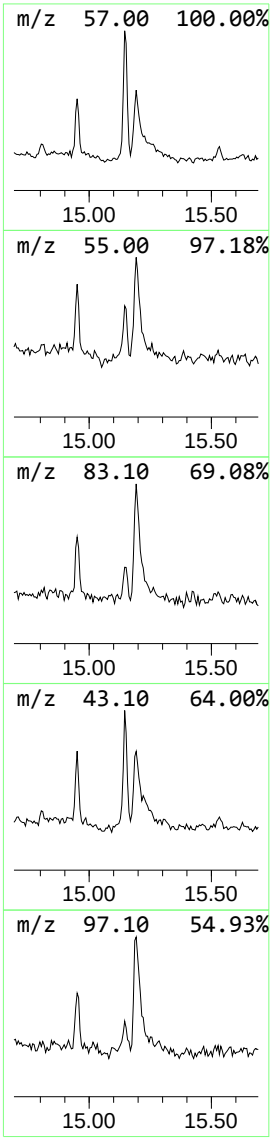
Peak Number 18 13-Tetradecen-1-ol acetate Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.192	12.07 ng	518900	Perylene-d12	15.486

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	13-Tetradecen-1-ol acetate	254	C16H30O2	056221-91-1	91
2	1-Docosene	308	C22H44	001599-67-3	91
3	9-Tricosene, (Z)-	322	C23H46	027519-02-4	91
4	2- Chloropropionic acid, octadec...	360	C21H41ClO2	088104-31-8	90
5	Octadecyl trifluoroacetate	366	C20H37F3O2	079392-43-1	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102821\
Data File : BF125991.D
Acq On : 28 Oct 2021 16:21
Operator : JU/CG
Sample : M4388-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 72-12002

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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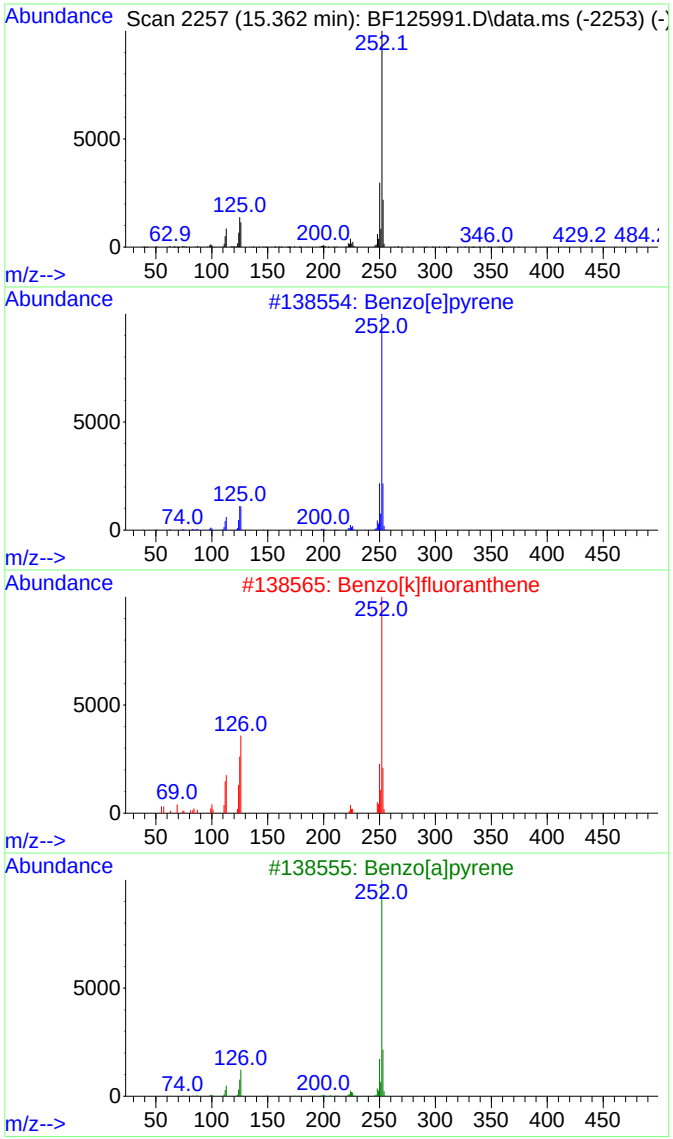
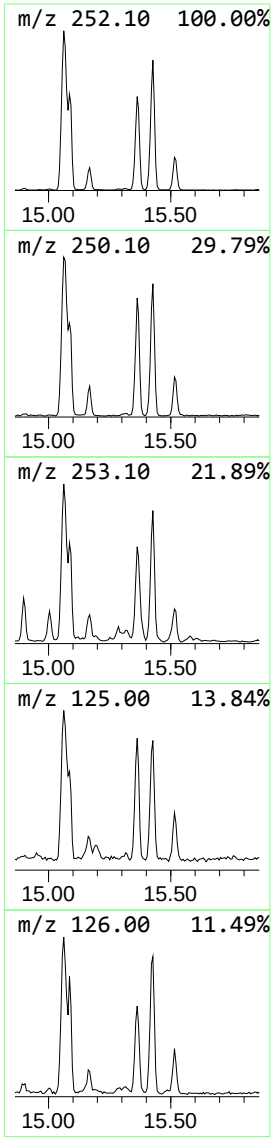
Peak Number 19 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.363	25.71 ng	1105810	Perylene-d12	15.486

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Perylene	252	C20H12	000198-55-0	93
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102821\
Data File : BF125991.D
Acq On : 28 Oct 2021 16:21
Operator : JU/CG
Sample : M4388-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
72-12002

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.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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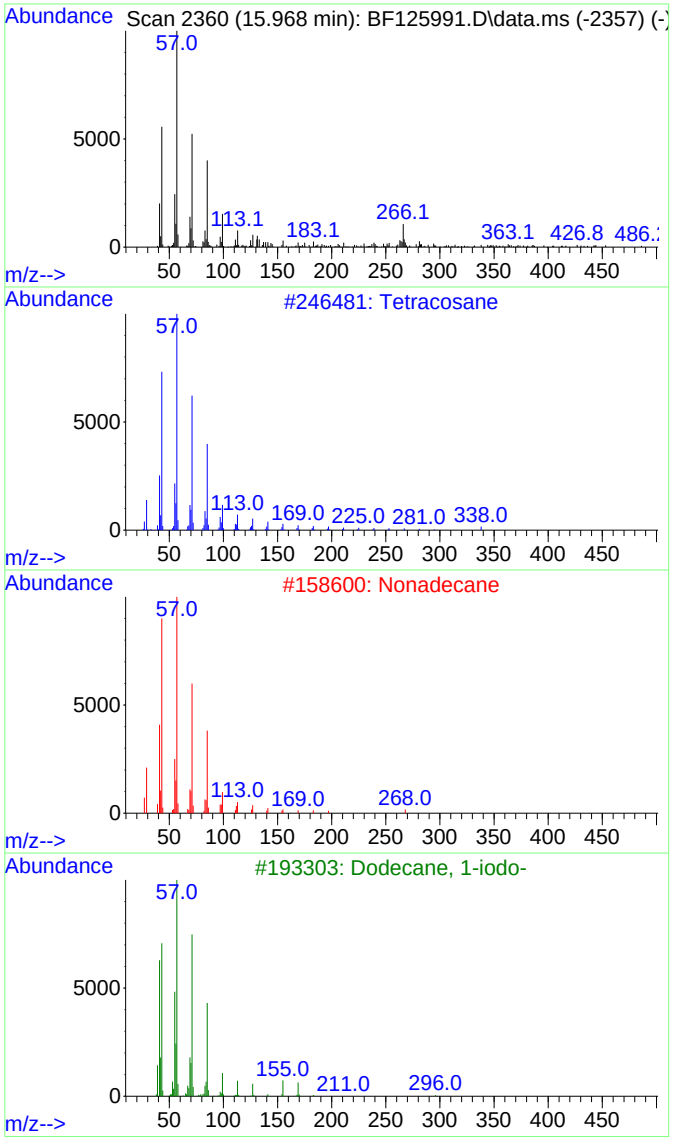
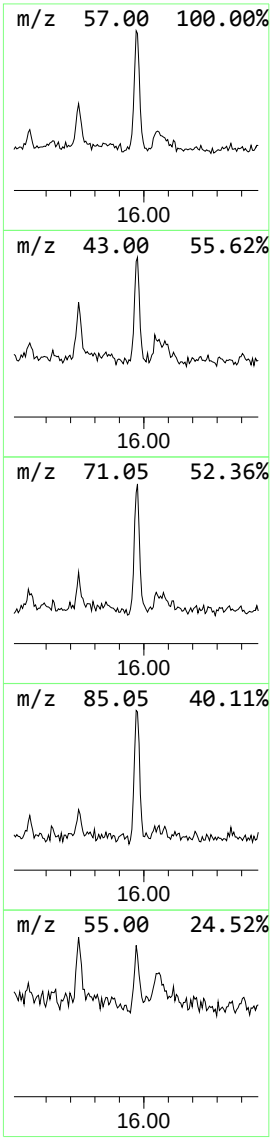
Peak Number 20 Tetracosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.968	8.79 ng	378017	Perylene-d12	15.486

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	87
2	Nonadecane	268	C19H40	000629-92-5	74
3	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	72
4	Undecane, 3-methyl-	170	C12H26	001002-43-3	72
5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102821\
Data File : BF125991.D
Acq On : 28 Oct 2021 16:21
Operator : JU/CG
Sample : M4388-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 72-12002

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
9H-Fluoren-9-one	11.180	3.0	ng	220095	4	11.380	1444030	20.0
Dibenzothiophene	11.275	3.3	ng	238443	4	11.380	1444030	20.0
Phenanthrene, 2...	11.880	5.4	ng	390278	4	11.380	1444030	20.0
Anthracene, 2-m...	11.910	9.5	ng	684660	4	11.380	1444030	20.0
Benzaldehyde, 3...	11.992	10.2	ng	734722	4	11.380	1444030	20.0
1H-Cyclopropa[l...	12.016	4.2	ng	304970	4	11.380	1444030	20.0
Naphthalene, 2-...	12.180	5.2	ng	377347	4	11.380	1444030	20.0
9,10-Anthracene...	12.198	10.1	ng	726922	4	11.380	1444030	20.0
Phenanthrene, 1...	12.433	5.3	ng	385302	4	11.380	1444030	20.0
Cyclopenta(def)...	12.516	5.5	ng	397211	4	11.380	1444030	20.0
Pyrene, 1-methyl-	13.045	3.0	ng	566204	5	14.021	3755590	20.0
11H-Benzo[b]flu...	13.151	3.1	ng	579251	5	14.021	3755590	20.0
11H-Benzo[a]flu...	13.657	3.3	ng	620956	5	14.021	3755590	20.0
Benzo[b]naphtho...	13.769	3.9	ng	727247	5	14.021	3755590	20.0
7H-Benz[de]anth...	13.863	4.6	ng	864429	5	14.021	3755590	20.0
Octadecanal	14.951	10.5	ng	452712	6	15.486	860071	20.0
Octadecane	15.145	10.6	ng	453688	6	15.486	860071	20.0
13-Tetradecen-1...	15.192	12.1	ng	518900	6	15.486	860071	20.0
Benzo[e]pyrene	15.363	25.7	ng	1105810	6	15.486	860071	20.0
Tetracosane	15.968	8.8	ng	378017	6	15.486	860071	20.0