LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060523\
Data File : BF133582.D
Acq On : 05 Jun 2023 23:52
Operator : CG\JU
Sample : 02983-08
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB07

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-BF052523.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF133582.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	573	rBV	1651457	1609865	16.88%	1.430%
2	6.451	738	742	745	rBV	1749096	1599660	16.77%	1.421%
3	6.834	803	807	810	rBV	955500	775288	8.13%	0.689%
4	7.392	898	902	905	rVB	1261155	939418	9.85%	0.834%
5	8.116	1020	1025	1027	rBV	1246990	972446	10.19%	0.864%
6	9.192	1204	1208	1211	rBV	2077396	1632851	17.12%	1.450%
7	9.457	1247	1253	1256	rBV	241357	326218	3.42%	0.290%
8	9.528	1261	1265	1268	rVV	427987	412377	4.32%	0.366%
9	9.645	1282	1285	1290	rVB	247773	241317	2.53%	0.214%
10	9.733	1294	1300	1304	rBV	600564	565605	5.93%	0.502%
11	9.869	1317	1323	1326	rBV	1023277	991834	10.40%	0.881%
12	9.904	1326	1329	1332	rVB	1030746	796228	8.35%	0.707%
13	10.075	1354	1358	1361	rVB	758429	636313	6.67%	0.565%
14	10.110	1361	1364	1368	rBV	284432	233730	2.45%	0.208%
15	10.186	1373	1377	1380	rBV2	260350	243782	2.56%	0.217%
16	10.280	1388	1393	1394	rBV	175588	211168	2.21%	0.188%
17	10.422	1413	1417	1422	rVB	1179901	1135353	11.90%	1.008%
18	10.486	1422	1428	1429	rBV2	251444	316678	3.32%	0.281%
19	10.575	1441	1443	1452	rVB2	584983	590254	6.19%	0.524%
20	10.657	1452	1457	1461	rVB	1604794	1486826	15.59%	1.320%
21	10.780	1473	1478	1485	rVB4	280905	391132	4.10%	0.347%
22	10.969	1503	1510	1512	rBV2	601783	679314	7.12%	0.603%
23	10.992	1512	1514	1517	rVV2	318100	311480	3.27%	0.277%
24	11.051	1521	1524	1527	rVV2	303018	275720	2.89%	0.245%
25	11.098	1527	1532	1533	rVV2	333728	394722	4.14%	0.351%
26	11.116	1533	1535	1537	rVV	368745	370166	3.88%	0.329%
27	11.163	1540	1543	1547	rVV2	341694	347320	3.64%	0.308%
28	11.210	1547	1551	1556	rVV2	357372	542229	5.68%	0.482%
29	11.257	1556	1559	1565	rVB	681980	616685	6.46%	0.548%
30	11.363	1573	1577	1578	rBV	850579	826018	8.66%	0.734%
31	11.398	1578	1583	1585	rVV	5315212	6076123	63.69%	5.396%
32	11.439	1585	1590	1593	rVV	2653566	2423467	25.40%	2.152%
33	11.469	1593	1595	1598	rVV2	338271	355802	3.73%	0.316%
34	11.592	1613	1616	1617	rVV	245709	235127	2.46%	0.209%
35	11.610	1617	1619	1625	rVV	190122	288966	3.03%	0.257%
36	11.657	1625	1627	1630	rVV	487016	404850	4.24%	0.360%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060523\
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Acq On : 05 Jun 2023 23:52
Operator : CG\JU
Sample : 02983-08
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB07

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-BF052523.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.692	1630	1633	1638	rVB2	503868	485924	5.09%	0.432%
38	11.774	1644	1647	1650	rVB	283802	270578	2.84%	0.240%
39	11.863	1656	1662	1665	rBV	1565507	1654825	17.35%	1.470%
40	11.892	1665	1667	1671	rVB	2187301	1900696	19.92%	1.688%
41	11.939	1671	1675	1678	rBV	933558	932772	9.78%	0.828%
42	11.980	1678	1682	1684	rVV	2677187	2990197	31.35%	2.656%
43	11.998	1684	1685	1690	rVB	1295327	925848	9.71%	0.822%
44	12.163	1710	1713	1715	rVV	1126997	1070406	11.22%	0.951%
45	12.186	1715	1717	1720	rVB2	666233	556023	5.83%	0.494%
46	12.310	1736	1738	1740	rVB	356335	261628	2.74%	0.232%
47	12.339	1740	1743	1745	rBV	500646	352456	3.69%	0.313%
48	12.363	1745	1747	1750	rVB	447294	362922	3.80%	0.322%
49	12.416	1752	1756	1759	rBV	1111621	1286193	13.48%	1.142%
50	12.457	1759	1763	1765	rVV	667403	871430	9.13%	0.774%
51	12.510	1768	1772	1776	rBV2	716649	928693	9.74%	0.825%
52	12.598	1780	1787	1789	rVB	6224656	8909210	93.39%	7.912%
53	12.627	1789	1792	1793	rBV	293528	264318	2.77%	0.235%
54	12.645	1793	1795	1798	rVB3	275292	216726	2.27%	0.192%
55	12.674	1798	1800	1803	rVB	270471	217522	2.28%	0.193%
56	12.727	1803	1809	1812	rBV3	485930	772740	8.10%	0.686%
57	12.827	1818	1826	1829	rBV2	5807768	9539489	100.00%	8.472%
58	12.857	1829	1831	1836	rVB2	703380	781884	8.20%	0.694%
59	12.927	1836	1843	1845	rBV	856661	1058647	11.10%	0.940%
60	12.951	1845	1847	1854	rVB2	1692240	1982090	20.78%	1.760%
61	13.027	1854	1860	1863	rBV2	984114	1628734	17.07%	1.446%
62	13.080	1867	1869	1871	rVV2	217740	230902	2.42%	0.205%
63	13.116	1871	1875	1876	rVV2	788519	953796	10.00%	0.847%
64	13.139	1876	1879	1882	rVB	2064270	1996082	20.92%	1.773%
65	13.204	1887	1890	1893	rVV	1509598	1369424	14.36%	1.216%
66	13.245	1893	1897	1899	rVV2	1251757	1421900	14.91%	1.263%
67	13.268	1899	1901	1904	rVB2	265954	248756	2.61%	0.221%
68	13.298	1904	1906	1909	rBV2	267274	251801	2.64%	0.224%
69	13.333	1909	1912	1915	rVB	727702	585280	6.14%	0.520%
70	13.363	1915	1917	1921	rBV	719487	720766	7.56%	0.640%
71	13.439	1927	1930	1935	rVB4	193076	298624	3.13%	0.265%
72	13.539	1939	1947	1949	rBV5	391849	813402	8.53%	0.722%
73	13.621	1958	1961	1962	rVV2	303853	337687	3.54%	0.300%
74	13.645	1962	1965	1969	rVV	787897	988942	10.37%	0.878%
75	13.757	1979	1984	1987	rVV3	872056	1194237	12.52%	1.061%
76	13.786	1987	1989	1991	rVV	1025520	887058	9.30%	0.788%

LSC Area Percent Report

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Acq On : 05 Jun 2023 23:52
Operator : CG\JU
Sample : 02983-08
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB07

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-BF052523.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.810	1991	1993	1997	rVV2	750269	1017192	10.66%	0.903%
78	13.857	1998	2001	2004	rVB	759883	767246	8.04%	0.681%
79	14.010	2020	2027	2029	rBV2	3460959	5101405	53.48%	4.531%
80	14.045	2029	2033	2037	rVB	3341113	3769511	39.51%	3.348%
81	14.115	2043	2045	2048	rVV	689603	590376	6.19%	0.524%
82	14.151	2049	2051	2053	rVV	303654	317345	3.33%	0.282%
83	14.198	2057	2059	2061	rVV	311509	267098	2.80%	0.237%
84	14.233	2061	2065	2068	rVV2	320317	471798	4.95%	0.419%
85	14.263	2068	2070	2073	rVB	231096	205840	2.16%	0.183%
86	14.357	2084	2086	2088	rBV	222110	209893	2.20%	0.186%
87	14.398	2088	2093	2096	rVV	945400	1098232	11.51%	0.975%
88	14.427	2096	2098	2102	rVV	512034	505513	5.30%	0.449%
89	14.492	2106	2109	2111	rVV2	532148	602770	6.32%	0.535%
90	14.521	2111	2114	2116	rVV	598399	646440	6.78%	0.574%
91	14.545	2116	2118	2121	rVV3	566070	520612	5.46%	0.462%
92	14.592	2121	2126	2132	rVB4	329458	562499	5.90%	0.500%
93	15.062	2199	2206	2208	rBV	2074422	3812561	39.97%	3.386%
94	15.157	2219	2222	2226	rVB	607494	622694	6.53%	0.553%
95	15.357	2251	2256	2262	rVB	1284963	1901188	19.93%	1.688%
96	15.427	2262	2268	2272	rBV	1987041	2681506	28.11%	2.381%
97	15.474	2273	2276	2279	rVV2	406337	542917	5.69%	0.482%
98	15.510	2279	2282	2288	rVB2	652652	891427	9.34%	0.792%
99	16.945	2520	2526	2533	rVB2	716170	1466814	15.38%	1.303%
100	17.386	2596	2601	2617	rVB	537041	1251445	13.12%	1.111%

Sum of corrected areas: 112601262

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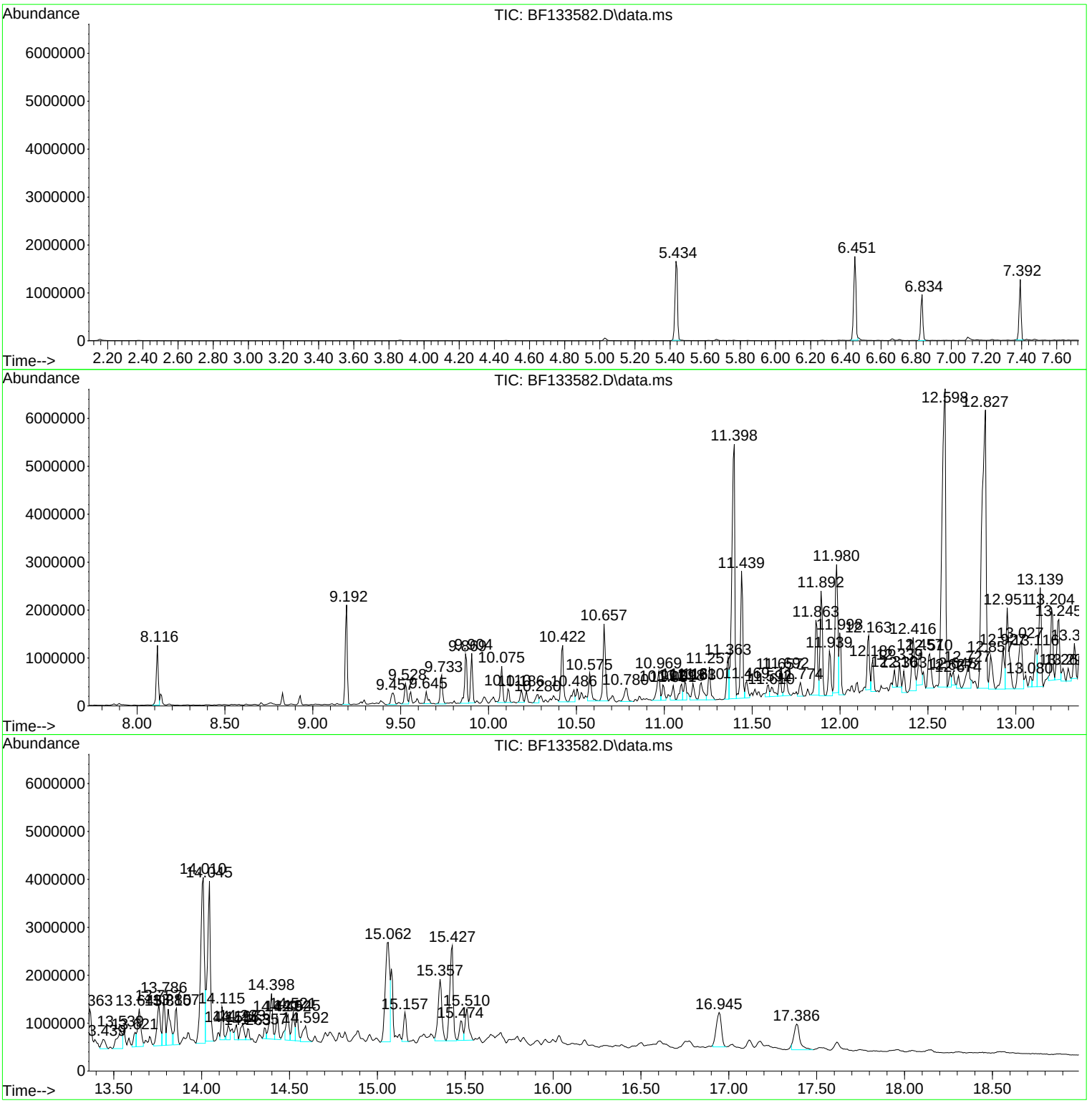
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB07

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.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\BF060523\
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

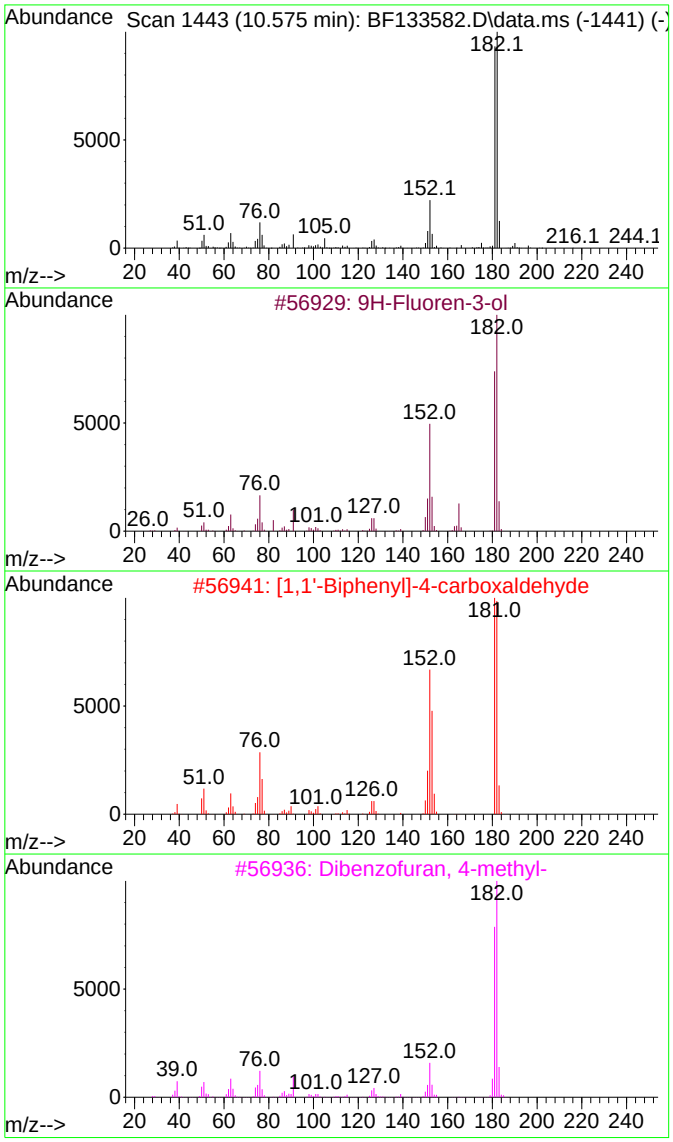
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

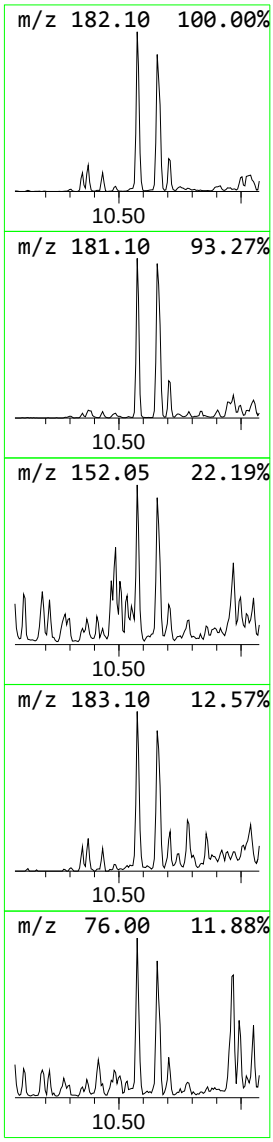
****

Peak Number 1 9H-Fluoren-3-ol Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.575	11.90 ng	590254	Acenaphthene-d10	9.869

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-3-ol	182	C13H10O	006344-67-8	91
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	86
3	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	86
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060523\
Data File : BF133582.D
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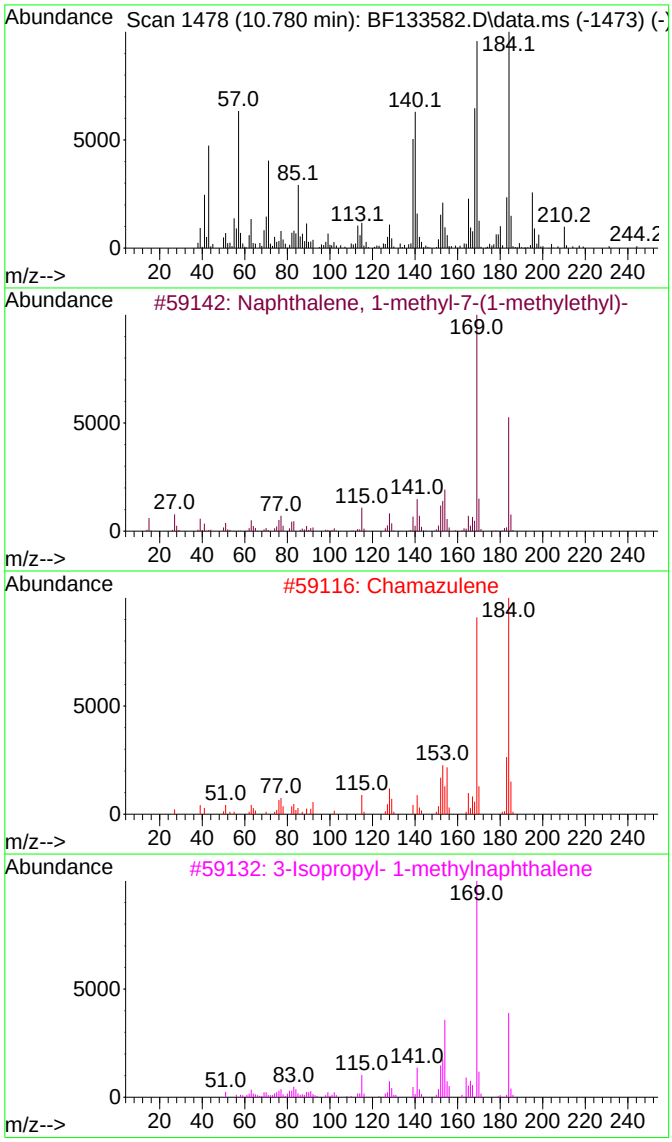
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

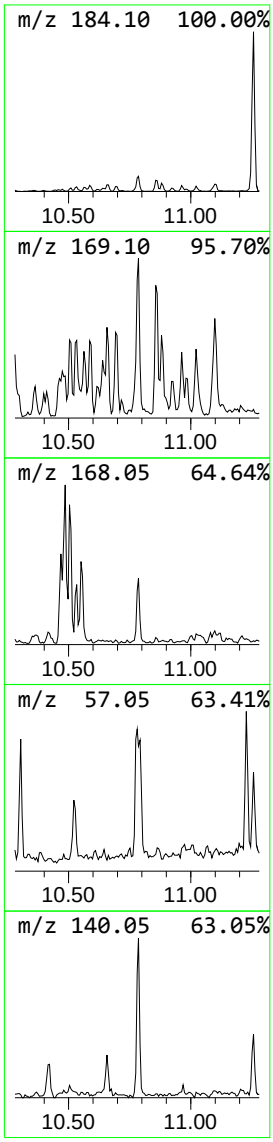
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Naphthalene, 1-methyl-7-(1-... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.780	9.47 ng	391132	Phenanthrene-d10	11.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	89
2	Chamazulene	184	C14H16	000529-05-5	87
3	3-Isopropyl- 1-methylnaphthalene	184	C14H16	1000383-71-4	64
4	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	64
5	1,6-Dimethyl- 3-ethylnaphthalene	184	C14H16	1000383-71-8	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060523\
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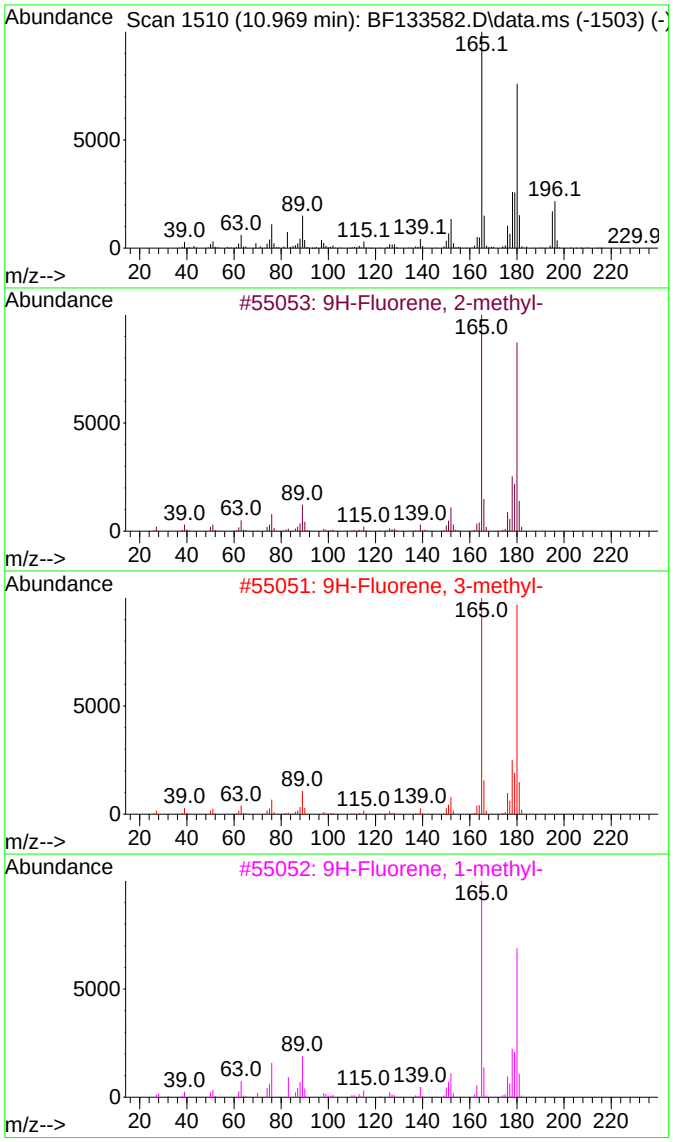
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

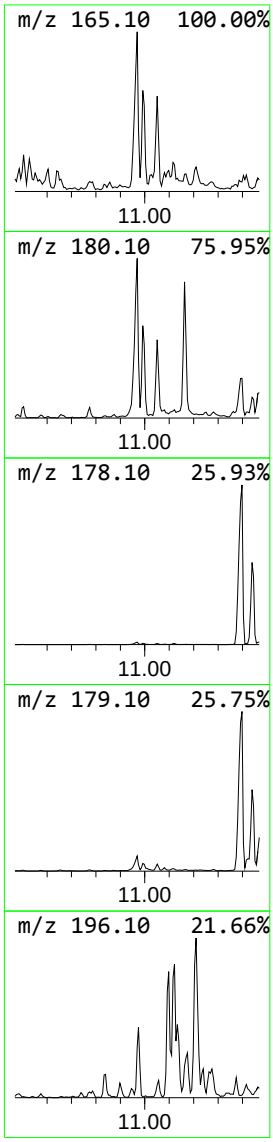
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.969	16.45 ng	679314	Phenanthrene-d10	11.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	89
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	89
4	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	86
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	76





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Data File : BF133582.D
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Instrument :
BNA_F
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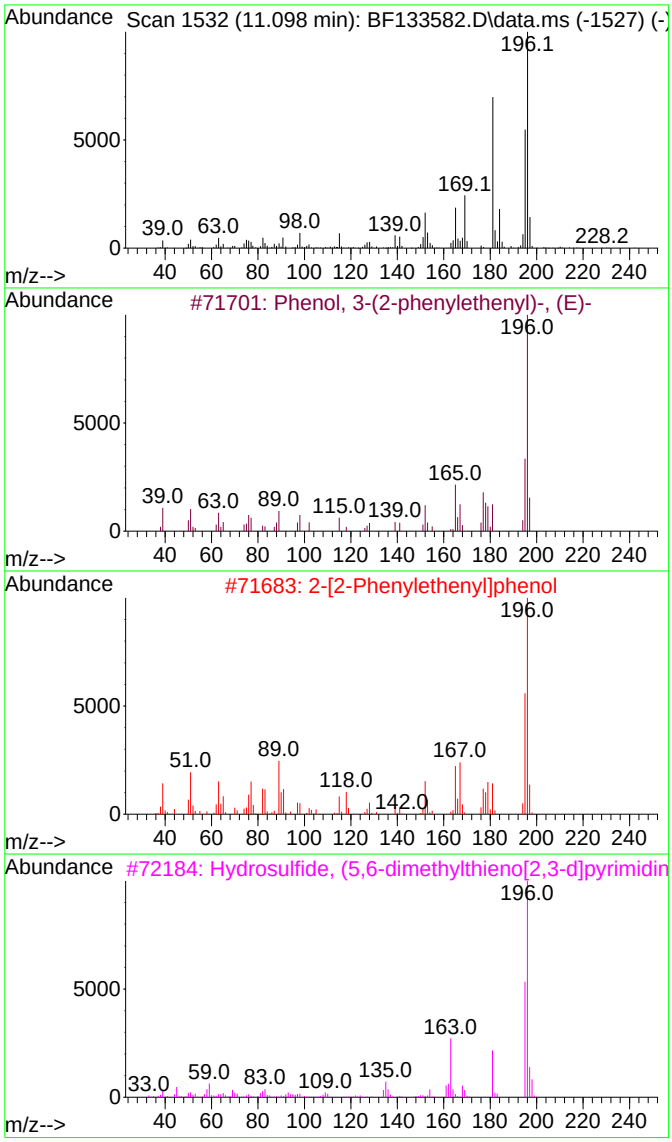
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

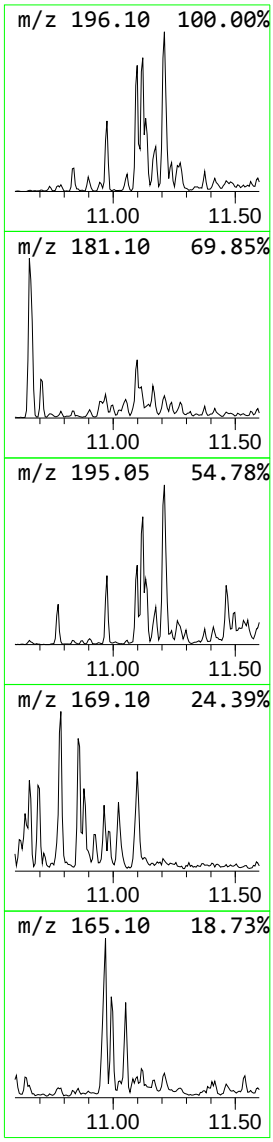
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Phenol, 3-(2-phenylethenyl)... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.098	9.56 ng	394722	Phenanthrene-d10	11.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	60
2	2-[2-Phenylethenyl]phenol	196	C14H12O	042224-48-6	58
3	Hydrosulfide, (5,6-dimethylthien...	196	C8H8N2S2	1000362-41-8	50
4	Benzenamine, 4-[(E)-2-(4-pyridin...	196	C13H12N2	1000351-61-4	49
5	phenol, 2-[(ethylamino)methyl]-4...	196	C9H12N2O3	1000400-09-7	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060523\
Data File : BF133582.D
Acq On : 05 Jun 2023 23:52
Operator : CG\JU
Sample : 02983-08
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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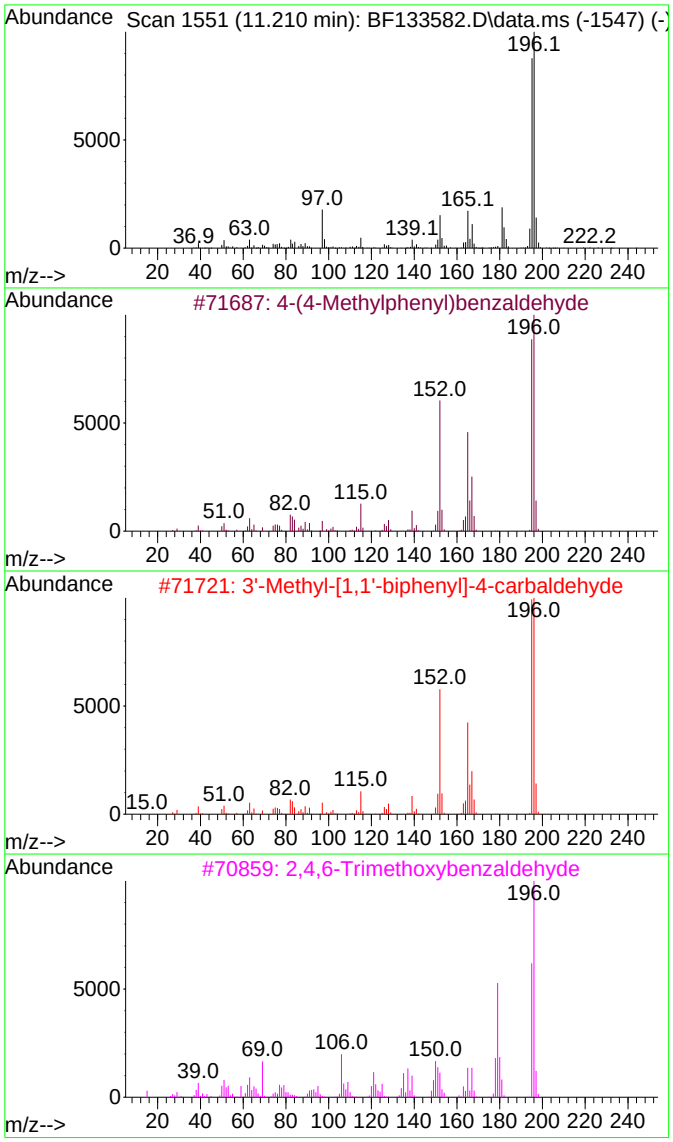
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

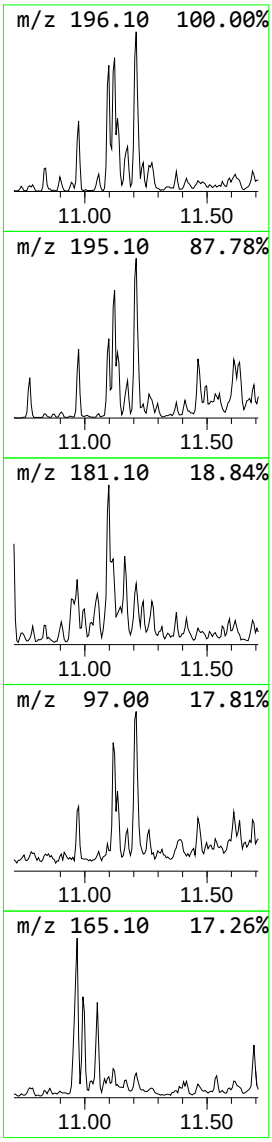
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 4-(4-Methylphenyl)benzaldehyde Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.210	13.13 ng	542229	Phenanthrene-d10	11.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-(4-Methylphenyl)benzaldehyde	196	C14H12O	036393-42-7	87
2	3'-Methyl-[1,1'-biphenyl]-4-carb...	196	C14H12O	400744-83-4	87
3	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	72
4	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	72
5	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	70





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Sample : 02983-08
Misc :
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ClientSampleId :
SB07

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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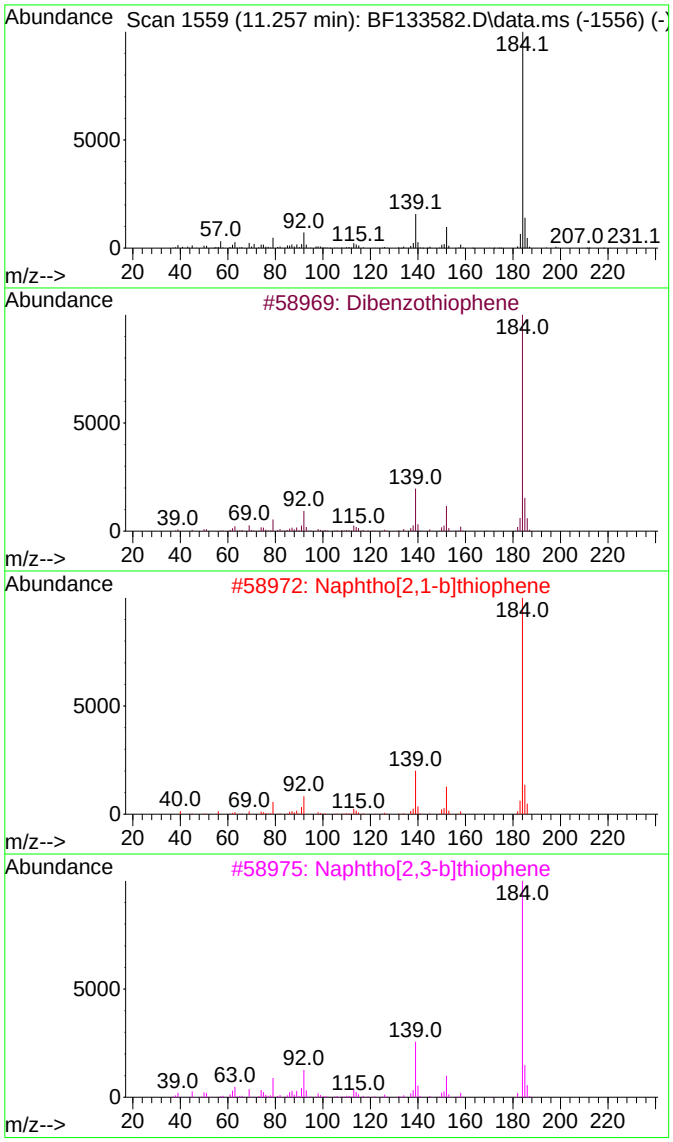
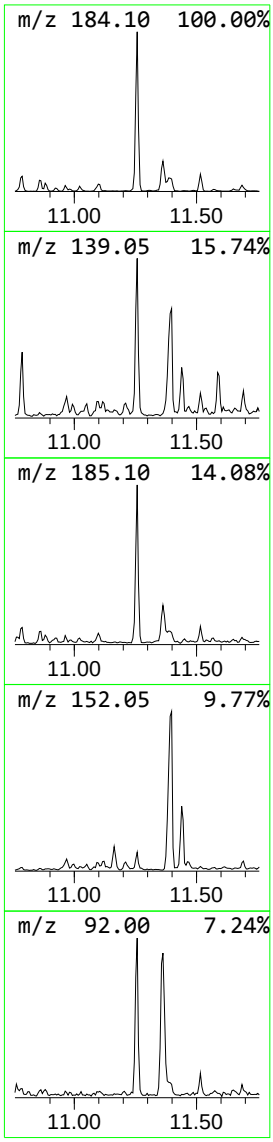
Peak Number 6 Dibenzothiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.257	14.93 ng	616685	Phenanthrene-d10	11.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





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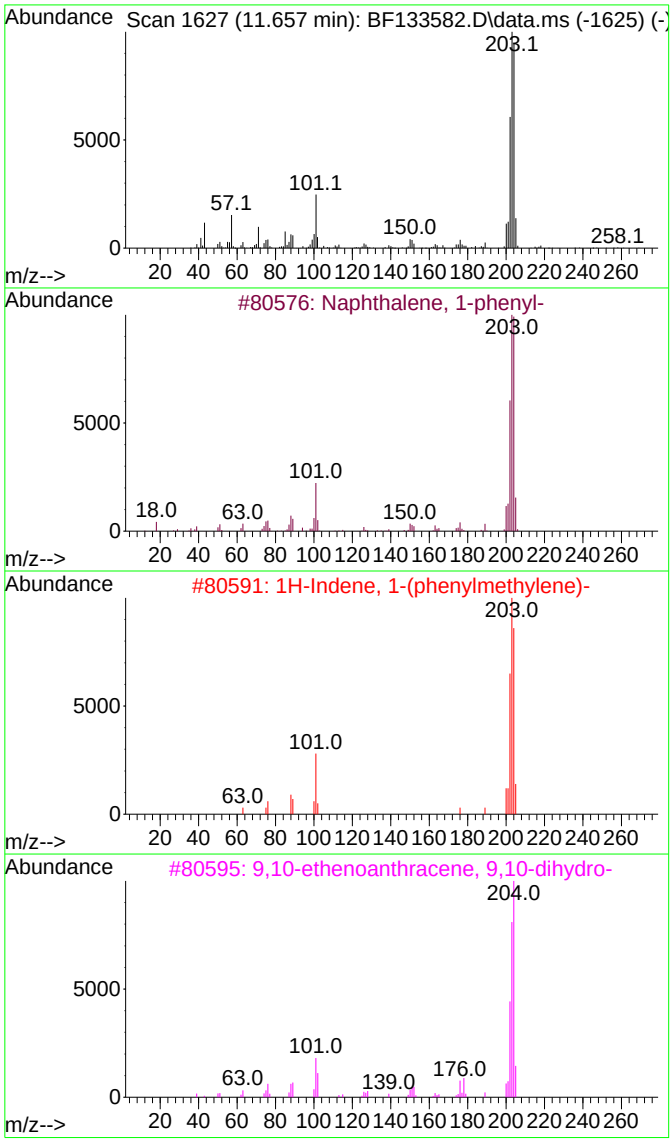
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

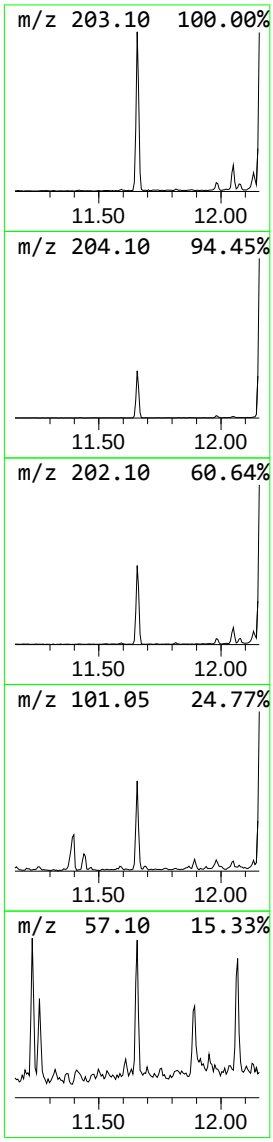
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Naphthalene, 1-phenyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.657	9.80 ng	404850	Phenanthrene-d10	11.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	98
2	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	89
3	9,10-ethenoanthracene, 9,10-dihy...	204	C16H12	1000400-47-8	81
4	Cyclobuta[1'',2'':3,4:3'',4'':3'...	204	C16H12	006574-36-3	68
5	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	64





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

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

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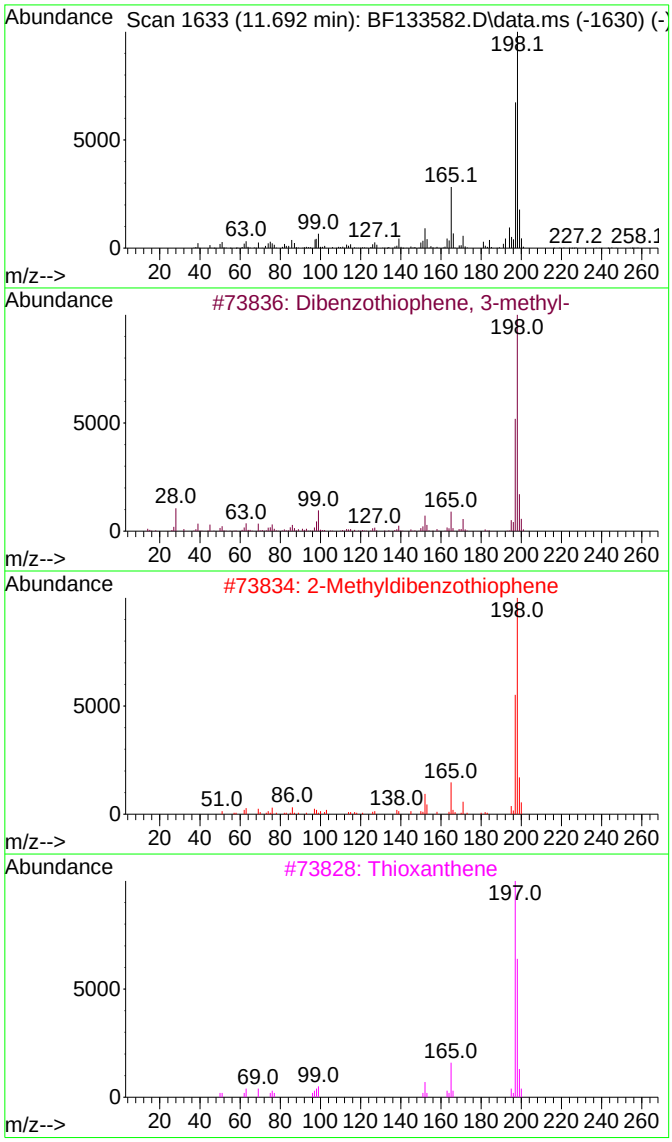
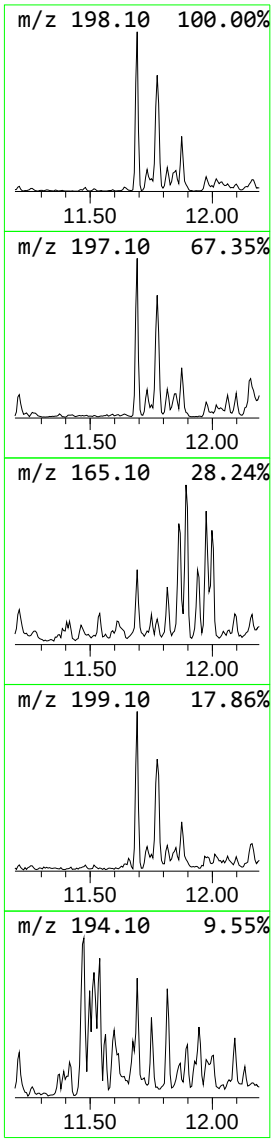
Peak Number 8 Dibenzothiophene, 3-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.692	11.77 ng	485924	Phenanthrene-d10	11.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	89
2	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	87
3	Thioxanthene	198	C13H10S	000261-31-4	83
4	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	64
5	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	59





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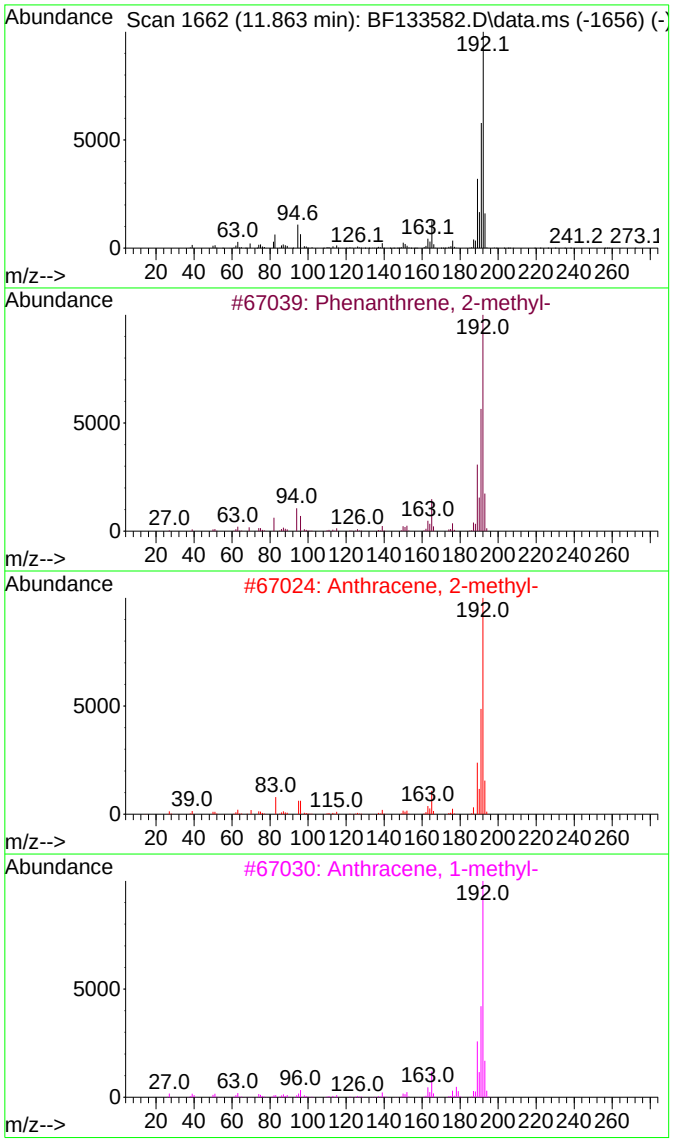
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

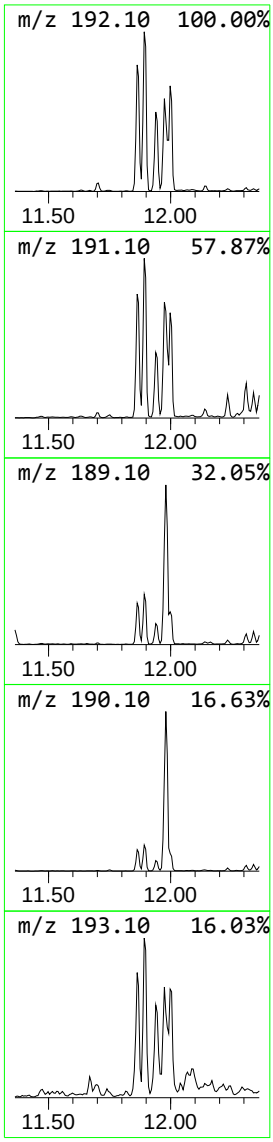
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.863	40.07 ng	1654830	Phenanthrene-d10	11.363

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	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90





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Misc :
ALS Vial : 23 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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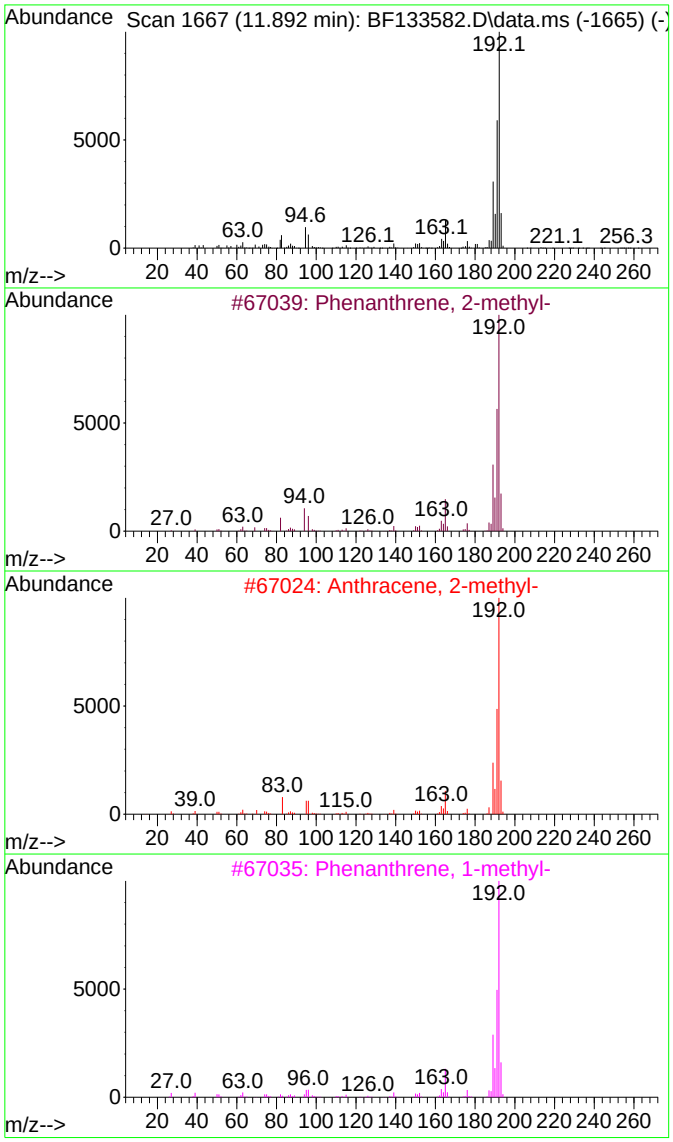
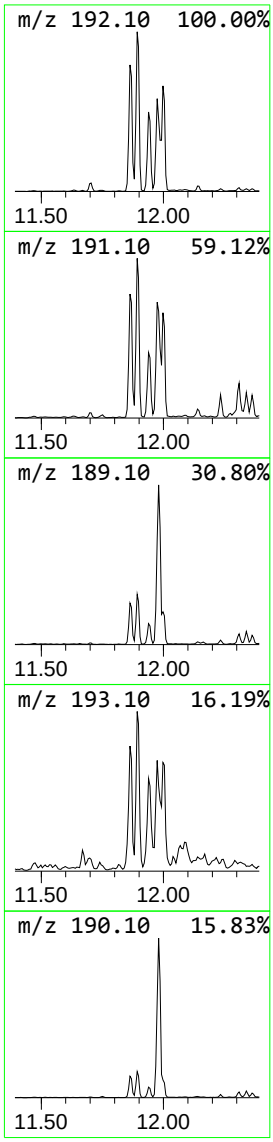
Peak Number 10 Anthracene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.892	46.02 ng	1900700	Phenanthrene-d10	11.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	94





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Misc :
ALS Vial : 23 Sample Multiplier: 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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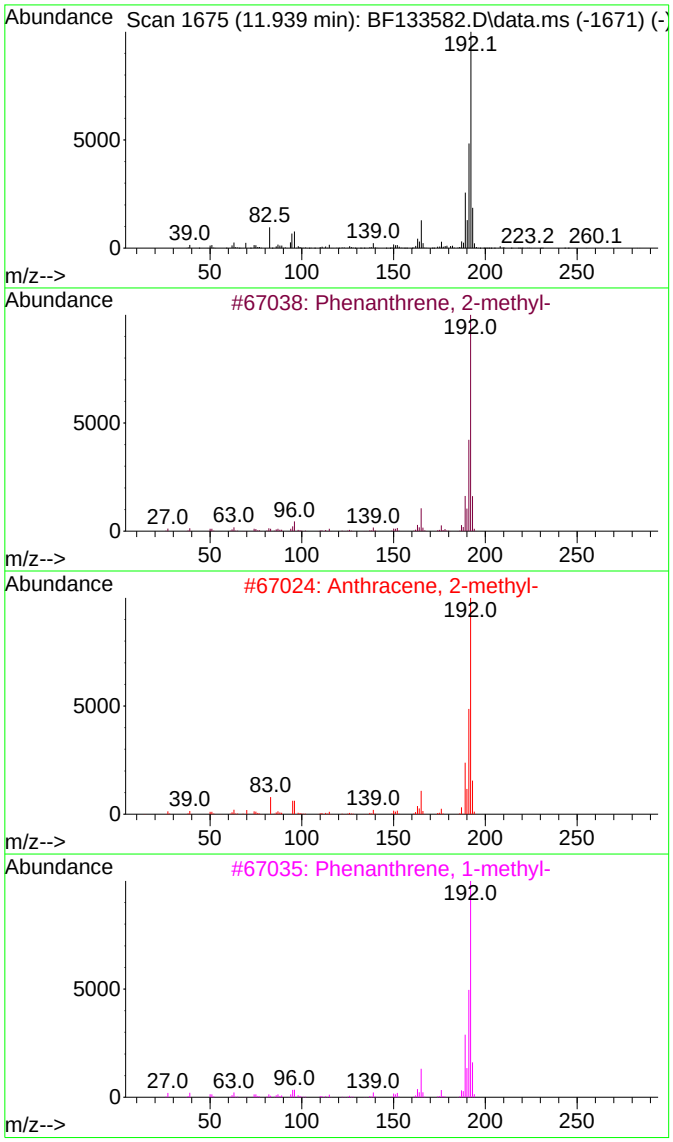
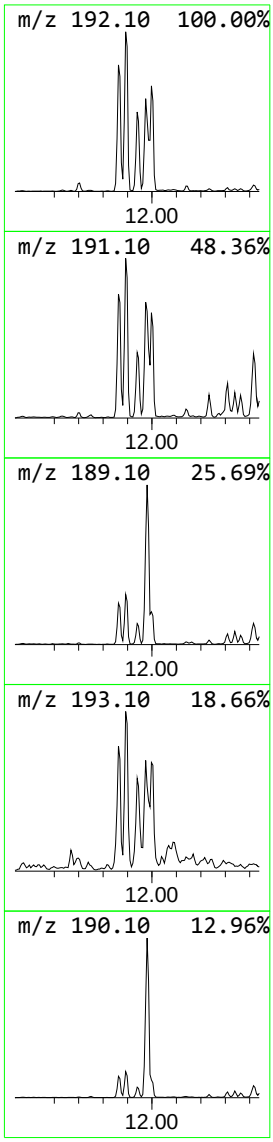
Peak Number 11 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.939	22.58 ng	932772	Phenanthrene-d10	11.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95





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Sample : 02983-08
Misc :
ALS Vial : 23 Sample Multiplier: 1

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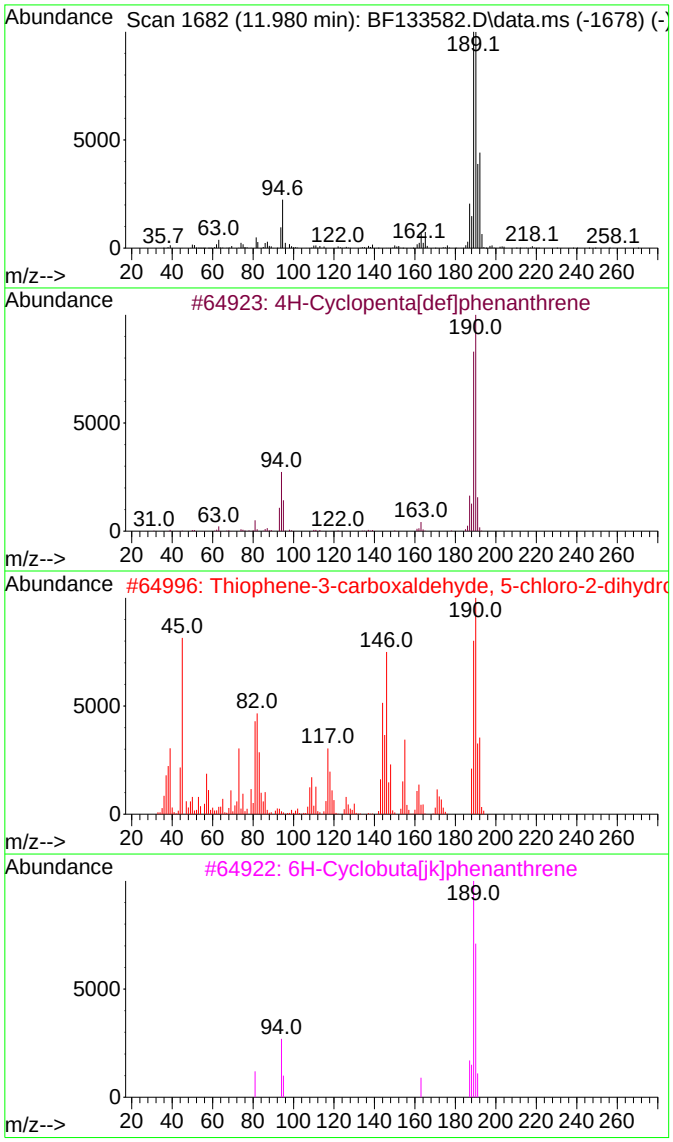
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

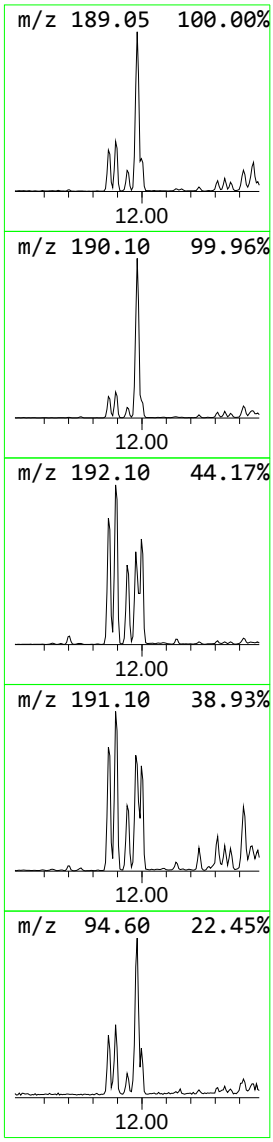
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.980	72.40 ng	2990200	Phenanthrene-d10	11.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40





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ClientSampleId :
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TIC Library : C:\Database\NIST20.L
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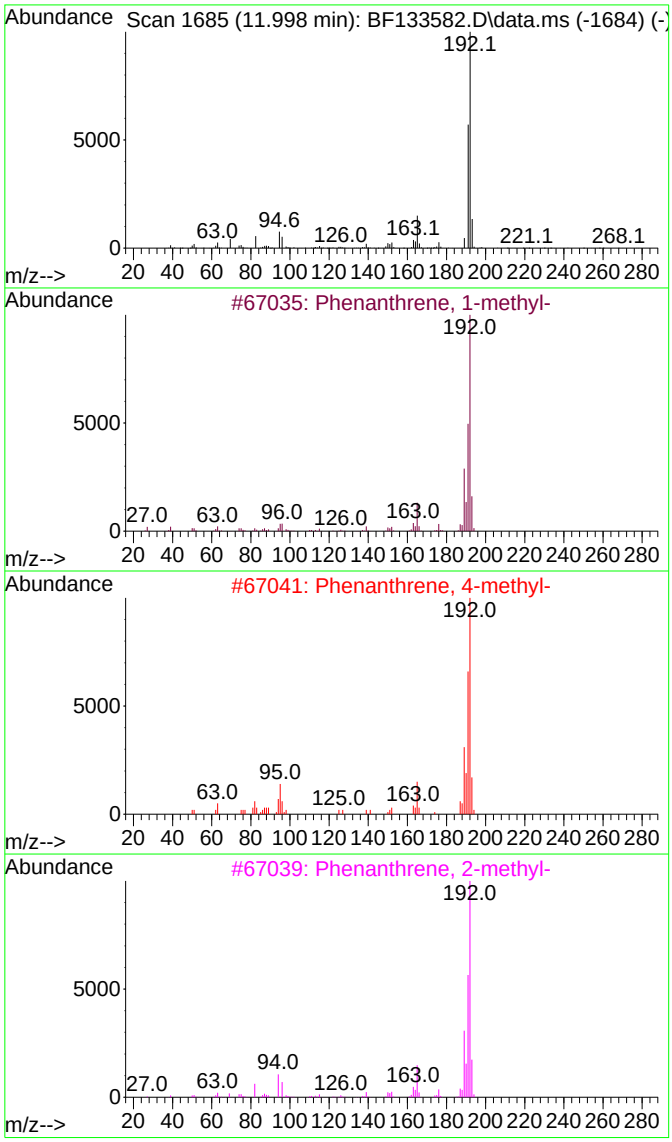
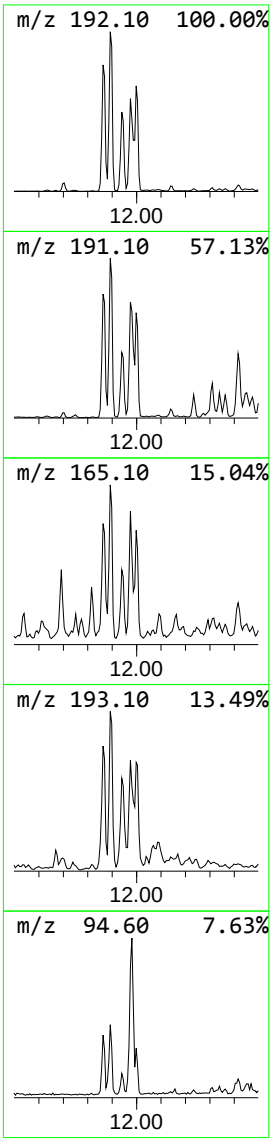
****
Peak Number 13 Phenanthrene, 4-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.998	22.42 ng	925848	Phenanthrene-d10	11.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	90





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

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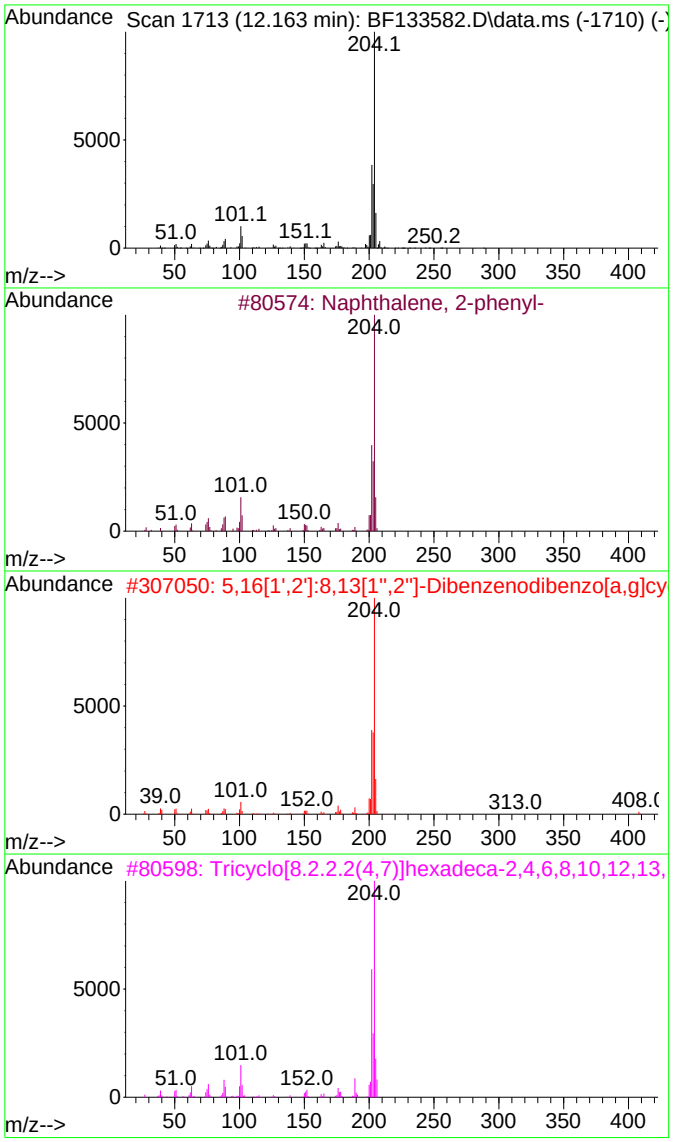
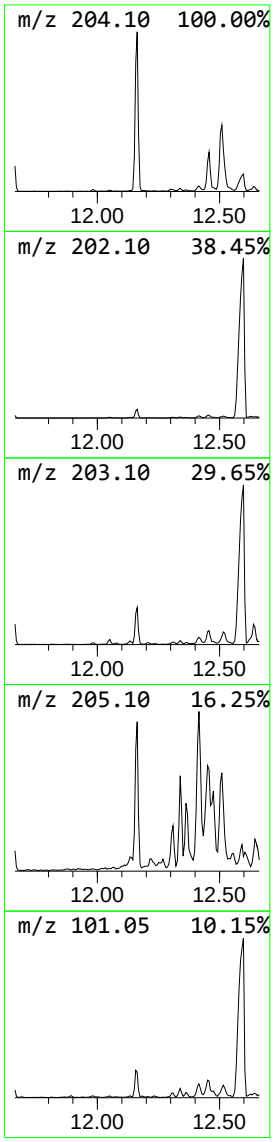
Peak Number 14 Naphthalene, 2-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.163	25.92 ng	1070410	Phenanthrene-d10	11.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	59
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55
5	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	47





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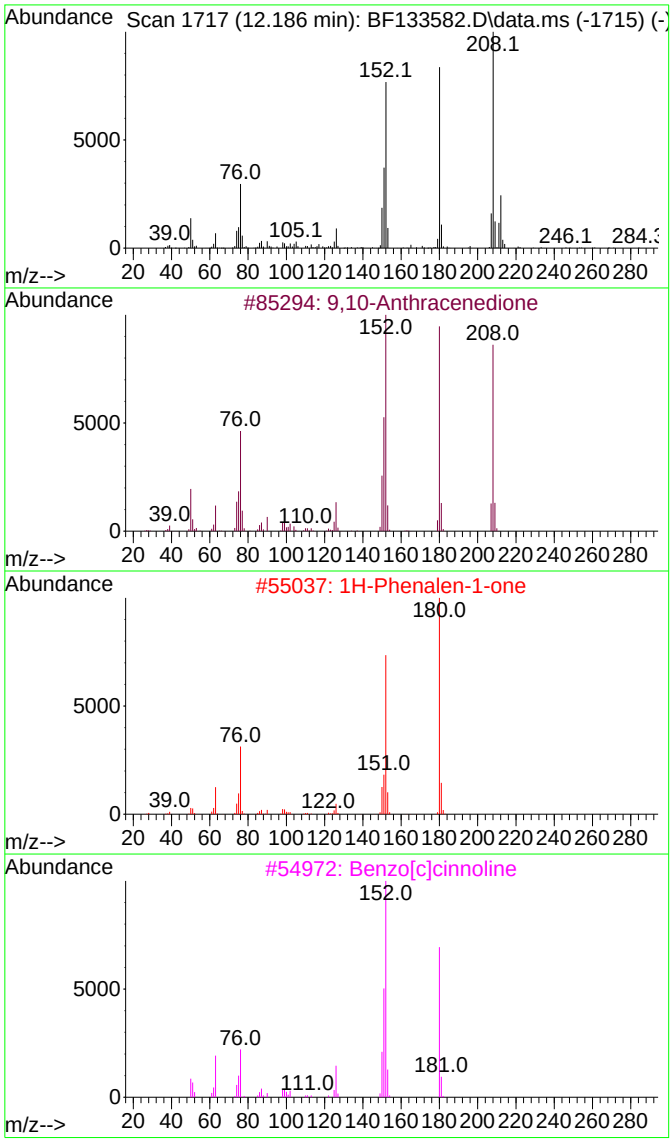
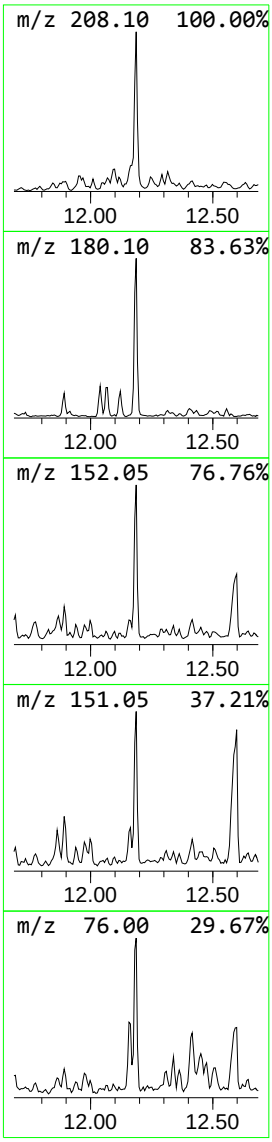
Peak Number 15 9,10-Anthracenedione Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.186	13.46 ng	556023	Phenanthrene-d10	11.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
2	1H-Phenalen-1-one	180	C13H8O	000548-39-0	55
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	55
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	38
5	6-Amino-2-(3-methylpiperidin-1-y...	208	C10H16N4O	1000388-66-0	22





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TIC Library : C:\Database\NIST20.L
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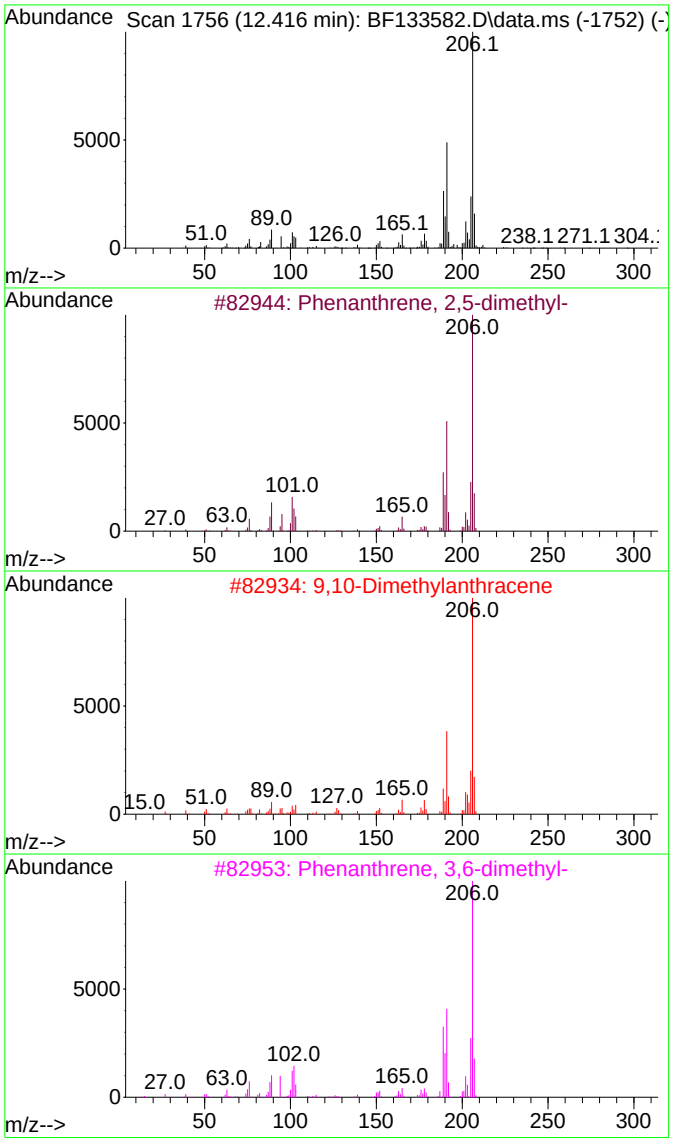
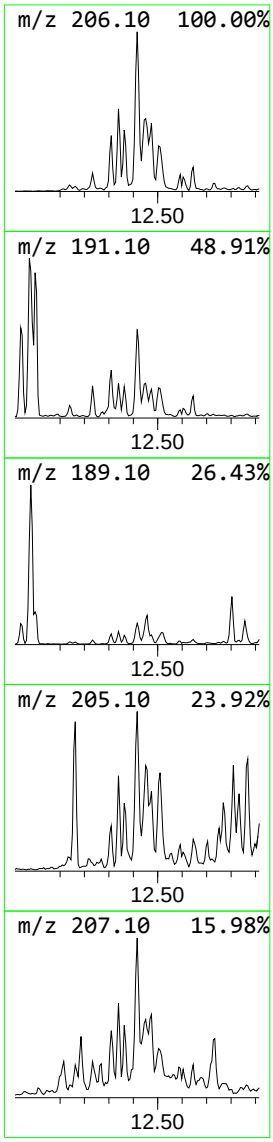
Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.416	31.14 ng	1286190	Phenanthrene-d10	11.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





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Data File : BF133582.D
Acq On : 05 Jun 2023 23:52
Operator : CG\JU
Sample : 02983-08
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB07

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.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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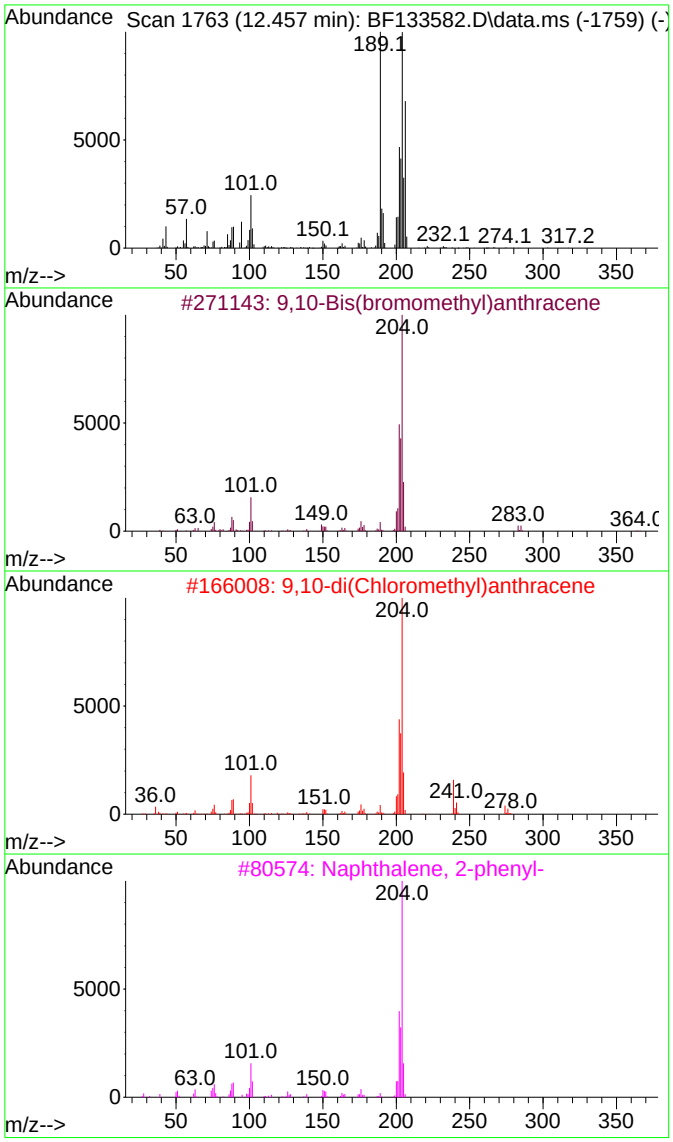
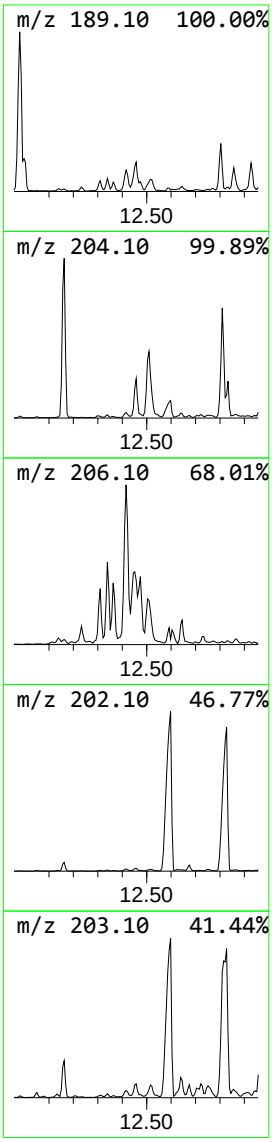
Peak Number 17 unknown12.457 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.457	21.10 ng	871430	Phenanthrene-d10	11.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	49
2	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	47
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	46
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	43
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060523\
Data File : BF133582.D
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Misc :
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TIC Library : C:\Database\NIST20.L
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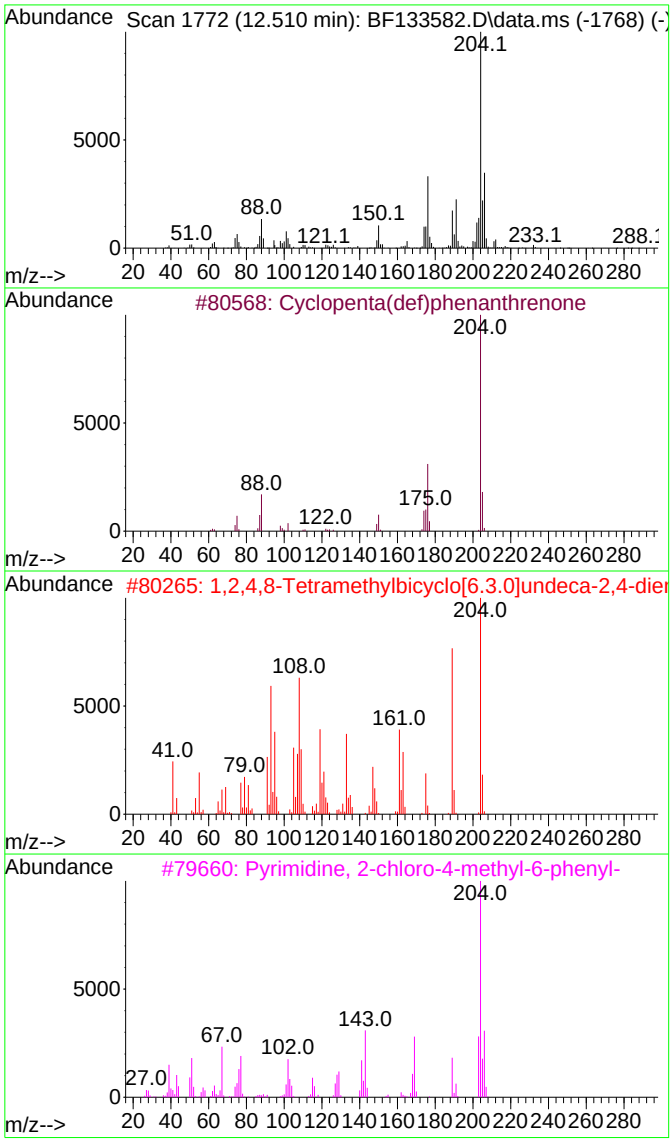
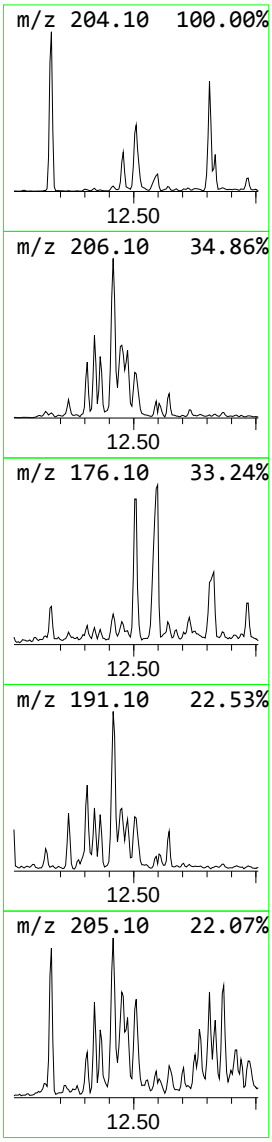
Peak Number 18 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.510	22.49 ng	928693	Phenanthrene-d10	11.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	92
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	55
3	Pyrimidine, 2-chloro-4-methyl-6-...	204	C11H9ClN2	032785-40-3	50
4	Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	50
5	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	47





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Acq On : 05 Jun 2023 23:52
Operator : CG\JU
Sample : 02983-08
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB07

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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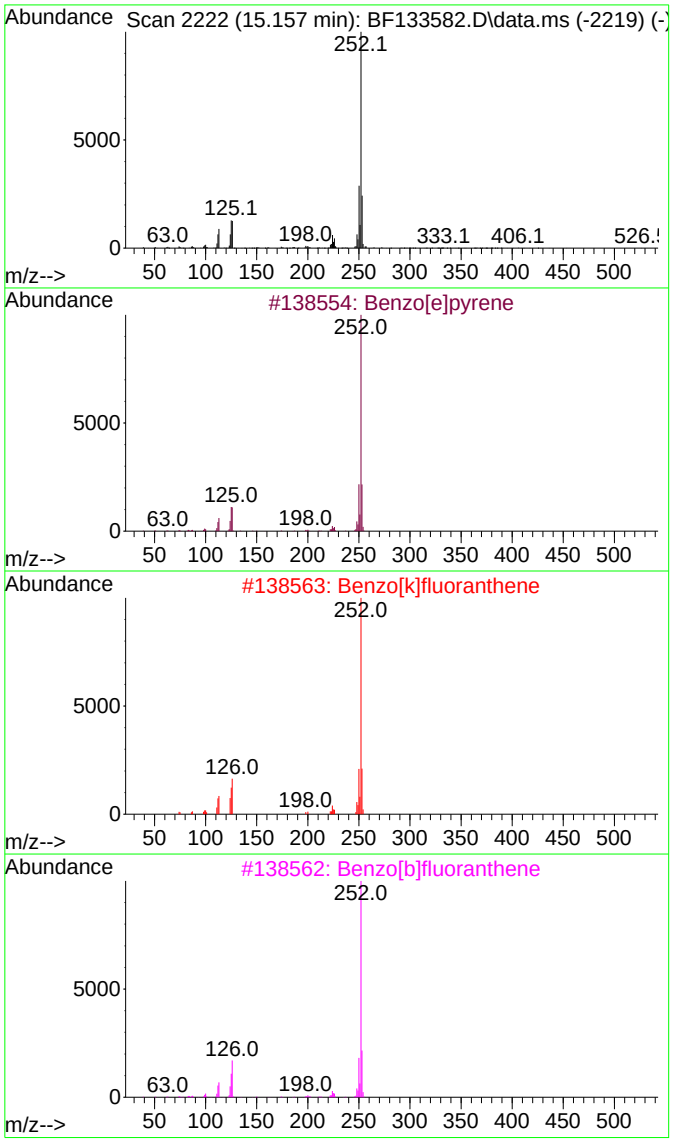
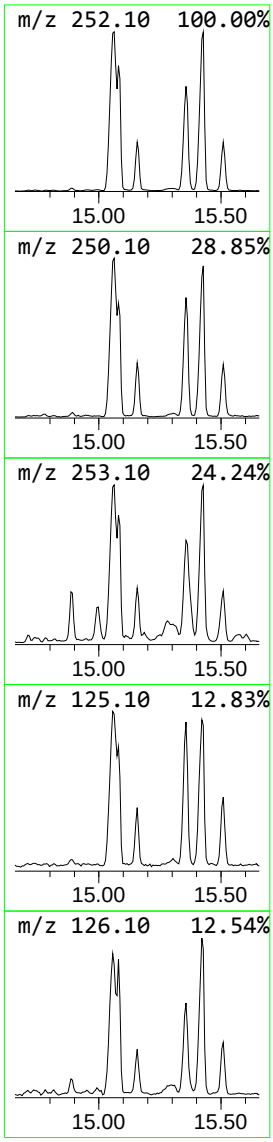
Peak Number 19 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.157	22.94 ng	622694	Perylene-d12	15.480

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	97
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	95
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94
5	Benzo[a]pyrene	252	C20H12	000050-32-8	90





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Sample : 02983-08
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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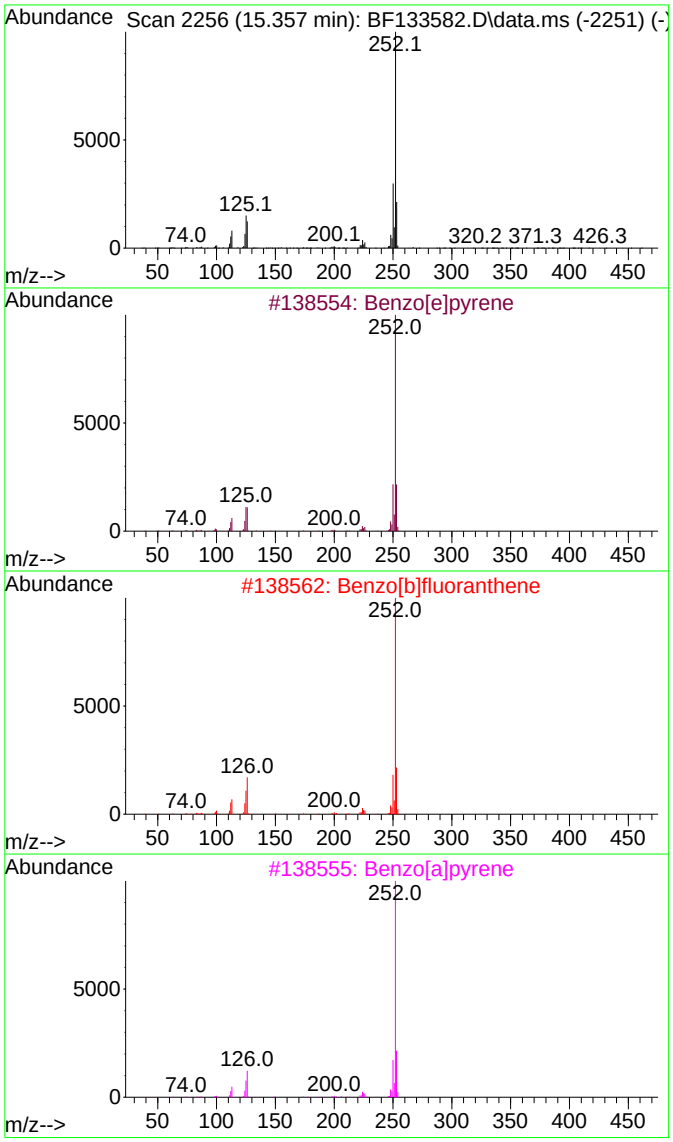
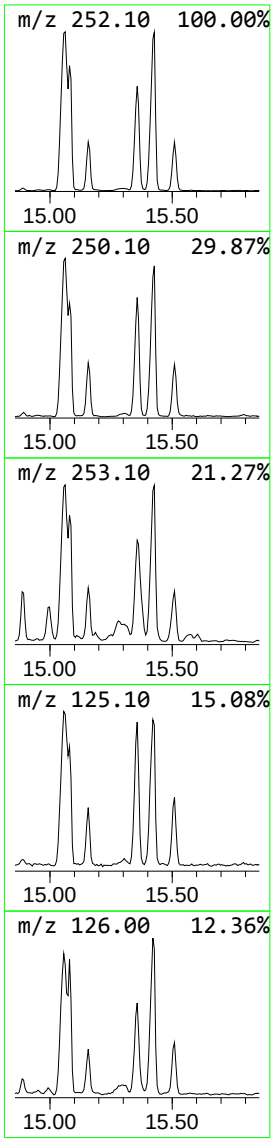
Peak Number 20 Benzo[j]fluoranthene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.357	70.04 ng	1901190	Perylene-d12	15.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90
5	Perylene	252	C20H12	000198-55-0	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060523\
Data File : BF133582.D
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Sample : 02983-08
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB07

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.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-3-ol	10.575	11.9	ng	590254	3	9.869	991834	20.0
Naphthalene, 1-...	10.780	9.5	ng	391132	4	11.363	826018	20.0
9H-Fluorene, 2-...	10.969	16.4	ng	679314	4	11.363	826018	20.0
Phenol, 3-(2-ph...	11.098	9.6	ng	394722	4	11.363	826018	20.0
4-(4-Methylphen...	11.210	13.1	ng	542229	4	11.363	826018	20.0
Dibenzothiophene	11.257	14.9	ng	616685	4	11.363	826018	20.0
Naphthalene, 1-...	11.657	9.8	ng	404850	4	11.363	826018	20.0
Dibenzothiophen...	11.692	11.8	ng	485924	4	11.363	826018	20.0
Phenanthrene, 2...	11.863	40.1	ng	1654830	4	11.363	826018	20.0
Anthracene, 2-m...	11.892	46.0	ng	1900700	4	11.363	826018	20.0
Phenanthrene, 1...	11.939	22.6	ng	932772	4	11.363	826018	20.0
4H-Cyclopenta[d...	11.980	72.4	ng	2990200	4	11.363	826018	20.0
Phenanthrene, 4...	11.998	22.4	ng	925848	4	11.363	826018	20.0
Naphthalene, 2-...	12.163	25.9	ng	1070410	4	11.363	826018	20.0
9,10-Anthracene...	12.186	13.5	ng	556023	4	11.363	826018	20.0
Phenanthrene, 2...	12.416	31.1	ng	1286190	4	11.363	826018	20.0
unknown12.457	12.457	21.1	ng	871430	4	11.363	826018	20.0
Cyclopenta(def)...	12.510	22.5	ng	928693	4	11.363	826018	20.0
Benzo[e]pyrene	15.157	22.9	ng	622694	6	15.480	542917	20.0
Benzo[j]fluoran...	15.357	70.0	ng	1901190	6	15.480	542917	20.0