LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121821\
Data File : BF126265.D
Acq On : 18 Dec 2021 20:54
Operator : JU/CG
Sample : M5168-03 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-21-C

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-BF121521.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF126265.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.381	385	390	395	rBV	1639553	1884482	41.72%	3.267%
2	5.004	492	496	500	rBV	1034621	1076549	23.83%	1.866%
3	6.428	735	738	745	rBV	211758	174341	3.86%	0.302%
4	6.816	800	804	807	rBV	1598485	1342515	29.72%	2.327%
5	7.369	895	898	904	rVB	317939	251874	5.58%	0.437%
6	8.098	1018	1022	1025	rBV	2285934	1847316	40.90%	3.202%
7	8.810	1140	1143	1147	rVB	225998	162600	3.60%	0.282%
8	8.910	1155	1160	1164	rBV	255461	206318	4.57%	0.358%
9	9.175	1201	1205	1208	rBV	548704	465799	10.31%	0.807%
10	9.369	1235	1238	1243	rVB	141448	142494	3.15%	0.247%
11	9.433	1245	1249	1254	rBV2	263695	343820	7.61%	0.596%
12	9.510	1258	1262	1265	rBV	569382	540133	11.96%	0.936%
13	9.539	1265	1267	1270	rVB	316334	241274	5.34%	0.418%
14	9.628	1278	1282	1284	rBV	316527	275925	6.11%	0.478%
15	9.710	1291	1296	1301	rBV2	196171	202443	4.48%	0.351%
16	9.851	1314	1320	1323	rBV	2117187	1937274	42.89%	3.358%
17	9.886	1323	1326	1329	rVB	576734	508233	11.25%	0.881%
18	9.957	1334	1338	1343	rVV	174430	228445	5.06%	0.396%
19	10.010	1343	1347	1349	rBV2	163794	195807	4.34%	0.339%
20	10.051	1351	1354	1358	rVB	304251	293997	6.51%	0.510%
21	10.092	1358	1361	1364	rBV	250772	209147	4.63%	0.363%
22	10.169	1370	1374	1377	rBV	210769	208287	4.61%	0.361%
23	10.198	1377	1379	1381	rVB	172704	128091	2.84%	0.222%
24	10.263	1385	1390	1391	rBV2	175323	222635	4.93%	0.386%
25	10.398	1409	1413	1419	rBV3	476881	514329	11.39%	0.892%
26	10.451	1419	1422	1423	rVV2	171255	195062	4.32%	0.338%
27	10.463	1423	1424	1426	rVV	291303	191848	4.25%	0.333%
28	10.486	1426	1428	1430	rVV2	210625	172049	3.81%	0.298%
29	10.510	1430	1432	1434	rVV	174179	156413	3.46%	0.271%
30	10.557	1437	1440	1444	rVB2	191835	250256	5.54%	0.434%
31	10.633	1450	1453	1458	rVV4	114016	176759	3.91%	0.306%
32	10.680	1458	1461	1466	rVB5	83881	125272	2.77%	0.217%
33	10.763	1473	1475	1482	rVB3	153421	197752	4.38%	0.343%
34	10.945	1501	1506	1509	rBV3	181930	248121	5.49%	0.430%
35	10.974	1509	1511	1514	rVB2	176093	142759	3.16%	0.247%
36	11.139	1536	1539	1544	rVB	428694	391780	8.67%	0.679%

LSC Area Percent Report

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Sample : M5168-03 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-21-C

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-BF121521.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.186	1544	1547	1550	rBV2	105150	128695	2.85%	0.223%
38	11.233	1552	1555	1561	rVB	561505	571494	12.65%	0.991%
39	11.339	1569	1573	1575	rBV	1559780	1766291	39.11%	3.062%
40	11.369	1575	1578	1581	rVV	4700781	4516690	100.00%	7.830%
41	11.410	1582	1585	1588	rVB	1059843	849055	18.80%	1.472%
42	11.516	1600	1603	1606	rVB	142364	122538	2.71%	0.212%
43	11.633	1620	1623	1626	rVV2	351951	285631	6.32%	0.495%
44	11.669	1626	1629	1632	rVB	415112	351484	7.78%	0.609%
45	11.751	1640	1643	1646	rVB	212114	228795	5.07%	0.397%
46	11.792	1647	1650	1652	rBV	179688	171468	3.80%	0.297%
47	11.839	1654	1658	1660	rVV	1461309	1247354	27.62%	2.162%
48	11.869	1660	1663	1666	rVB	1643780	1347689	29.84%	2.336%
49	11.916	1668	1671	1673	rBV	280388	261521	5.79%	0.453%
50	11.951	1673	1677	1679	rBV	1459189	1608872	35.62%	2.789%
51	11.974	1679	1681	1684	rVB	1207846	923832	20.45%	1.602%
52	12.021	1686	1689	1691	rBV2	130288	126053	2.79%	0.219%
53	12.133	1706	1708	1710	rVV	781509	677088	14.99%	1.174%
54	12.157	1710	1712	1718	rVB2	661063	595298	13.18%	1.032%
55	12.210	1718	1721	1724	rBV2	143551	143086	3.17%	0.248%
56	12.286	1731	1734	1736	rVV	268177	256682	5.68%	0.445%
57	12.316	1736	1739	1741	rVV	227741	198878	4.40%	0.345%
58	12.339	1741	1743	1746	rVB	172704	141962	3.14%	0.246%
59	12.392	1748	1752	1754	rBV	539925	571068	12.64%	0.990%
60	12.421	1754	1757	1760	rVV3	319212	413074	9.15%	0.716%
61	12.469	1763	1765	1770	rVB2	651011	642807	14.23%	1.114%
62	12.551	1773	1779	1782	rVB	2897915	2677038	59.27%	4.641%
63	12.598	1784	1787	1788	rBV	184554	153051	3.39%	0.265%
64	12.616	1788	1790	1797	rVB4	195806	238958	5.29%	0.414%
65	12.674	1797	1800	1803	rBV2	263116	301213	6.67%	0.522%
66	12.780	1812	1818	1824	rBV	3440909	4052774	89.73%	7.026%
67	12.921	1839	1842	1849	rVB	464343	540989	11.98%	0.938%
68	12.998	1850	1855	1858	rBV	430499	592323	13.11%	1.027%
69	13.080	1866	1869	1870	rBV2	314863	303452	6.72%	0.526%
70	13.168	1881	1884	1887	rVV3	199238	210837	4.67%	0.365%
71	13.210	1887	1891	1893	rVV	582856	583198	12.91%	1.011%
72	13.298	1903	1906	1909	rVV	451673	384581	8.51%	0.667%
73	13.333	1909	1912	1915	rVB	488586	430444	9.53%	0.746%
74	13.610	1955	1959	1961	rBV	488612	468857	10.38%	0.813%
75	13.715	1973	1977	1981	rBV2	385119	529322	11.72%	0.918%
76	13.751	1981	1983	1985	rVV	427533	347080	7.68%	0.602%

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Instrument :
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ClientSampleId :
SB-21-C

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
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Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.774	1985	1987	1990	rVV	170935	159351	3.53%	0.276%
78	13.815	1990	1994	1999	rVB2	342661	376411	8.33%	0.653%
79	13.968	2015	2020	2023	rBV2	1759451	2565689	56.80%	4.448%
80	13.998	2023	2025	2030	rVV	1412140	1380220	30.56%	2.393%
81	14.068	2033	2037	2040	rVV	517250	568393	12.58%	0.985%
82	14.110	2040	2044	2046	rVV3	93549	154333	3.42%	0.268%
83	14.151	2049	2051	2055	rVB2	129340	113146	2.51%	0.196%
84	14.321	2077	2080	2082	rBV	146006	127761	2.83%	0.221%
85	14.357	2082	2086	2090	rVV	454715	535176	11.85%	0.928%
86	14.392	2090	2092	2095	rVV	336346	299726	6.64%	0.520%
87	14.451	2099	2102	2105	rVV2	191998	258881	5.73%	0.449%
88	14.480	2105	2107	2110	rVV	219411	249499	5.52%	0.433%
89	14.510	2110	2112	2115	rVV	165671	152092	3.37%	0.264%
90	14.557	2117	2120	2125	rVB2	125004	143029	3.17%	0.248%
91	14.827	2162	2166	2168	rBV2	112406	145657	3.22%	0.253%
92	14.998	2190	2195	2199	rBV2	669785	1186628	26.27%	2.057%
93	15.104	2210	2213	2217	rVB2	127987	148853	3.30%	0.258%
94	15.298	2242	2246	2252	rVB	432582	508615	11.26%	0.882%
95	15.357	2252	2256	2262	rVB	656344	746593	16.53%	1.294%
96	15.421	2262	2267	2270	rBV	823123	1014566	22.46%	1.759%
97	15.898	2343	2348	2351	rBV2	92173	148851	3.30%	0.258%
98	16.674	2475	2480	2488	rVB5	61083	160380	3.55%	0.278%
99	16.839	2503	2508	2517	rVB3	181472	368806	8.17%	0.639%
100	17.268	2575	2581	2596	rVB	160189	358363	7.93%	0.621%

Sum of corrected areas: 57684740

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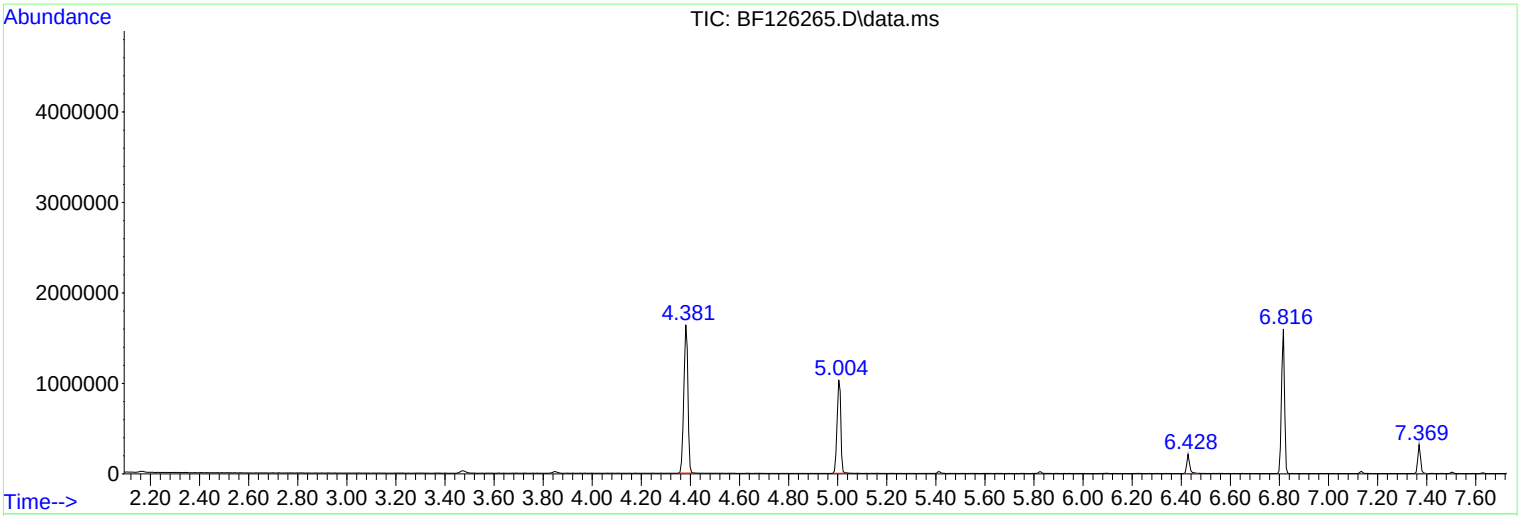
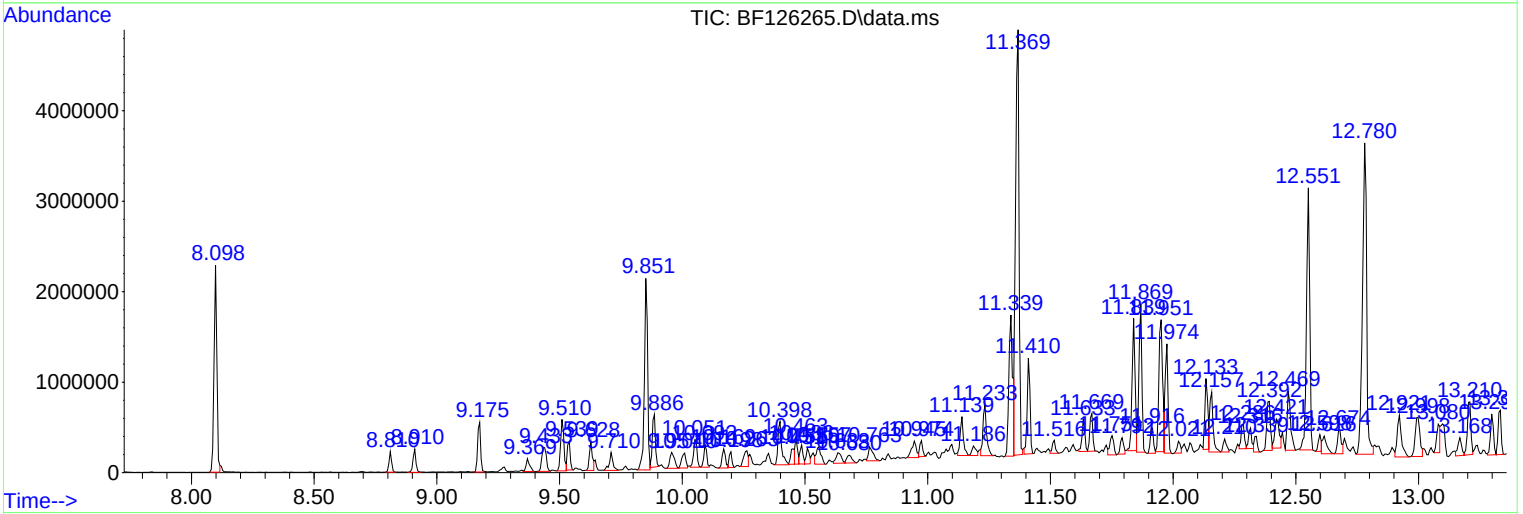
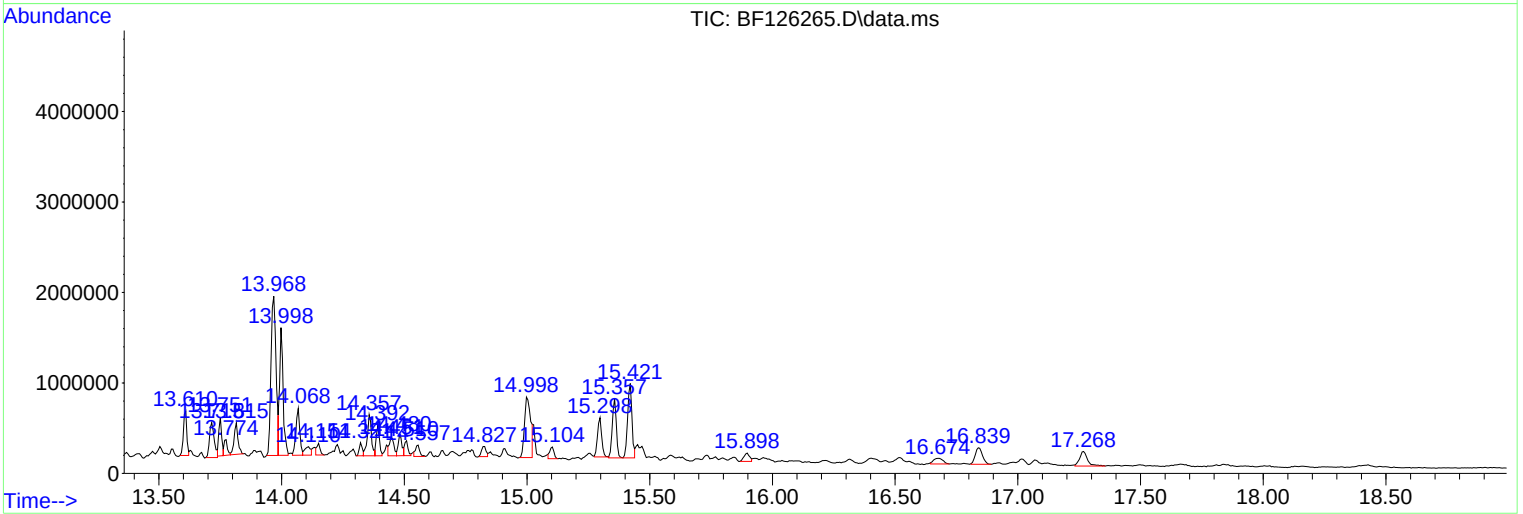
Instrument :
BNA_F
ClientSampleId :
SB-21-C

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.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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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

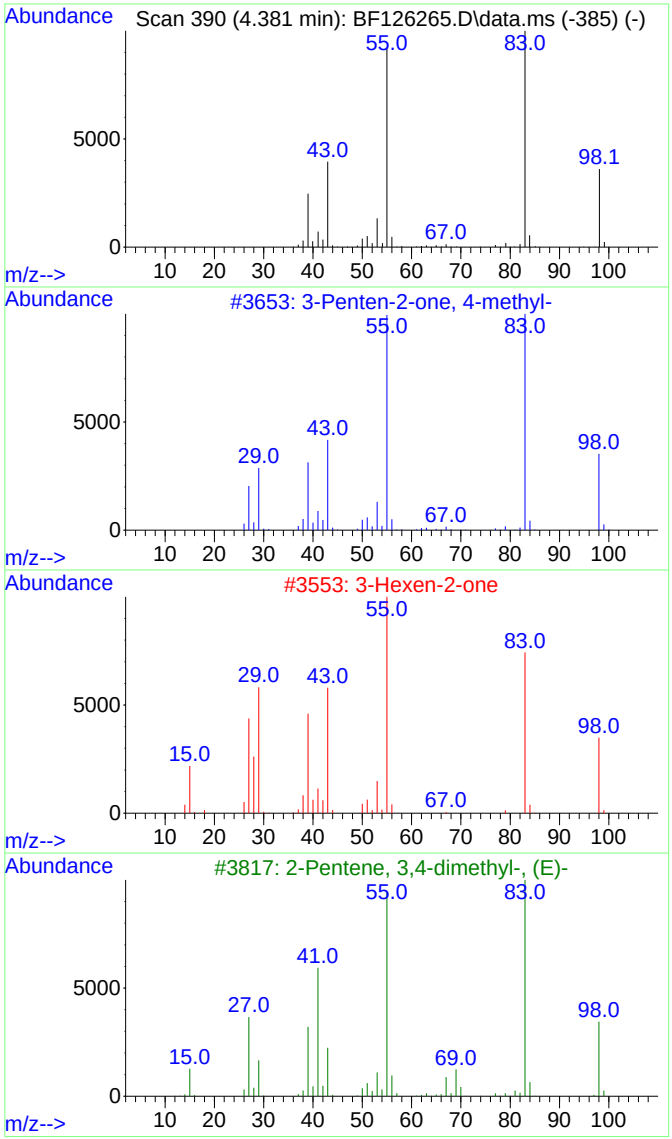
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

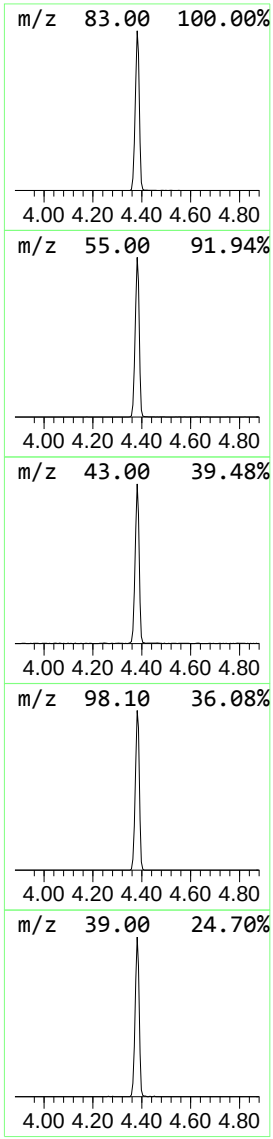
****

Peak Number 1 3-Penten-2-one, 4-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.381	28.07 ng	1884480	1,4-Dichlorobenzene-d4	6.816

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	91
2	3-Hexen-2-one	98	C6H10O	000763-93-9	91
3	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	90
4	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	78
5	Furan, 2-methoxy-	98	C5H6O2	025414-22-6	78





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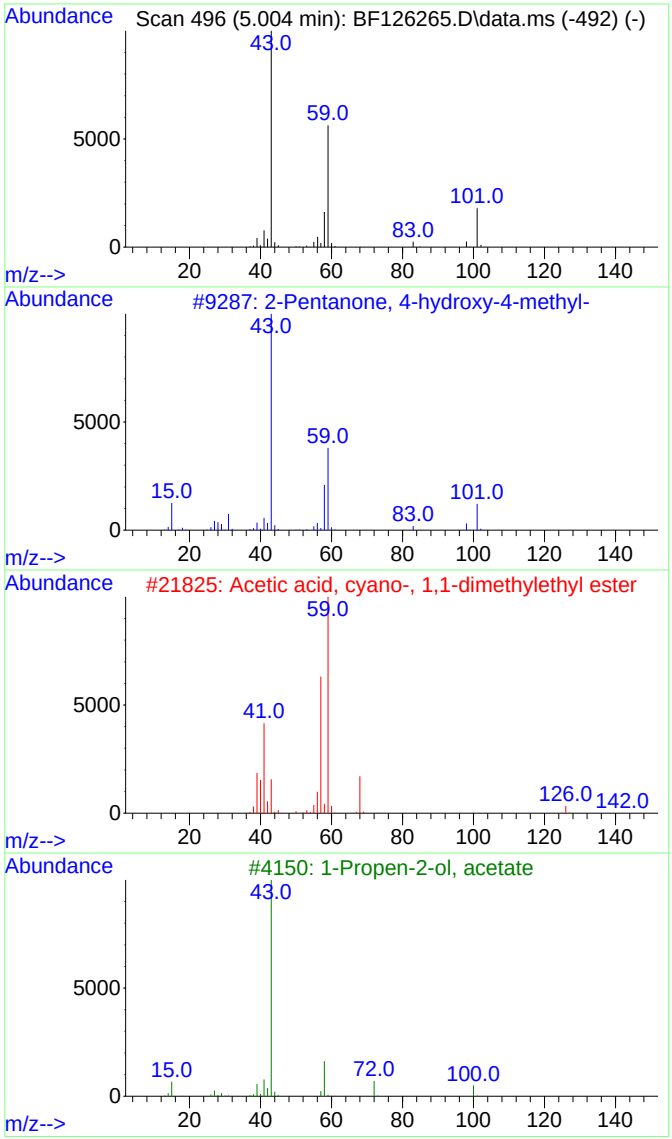
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

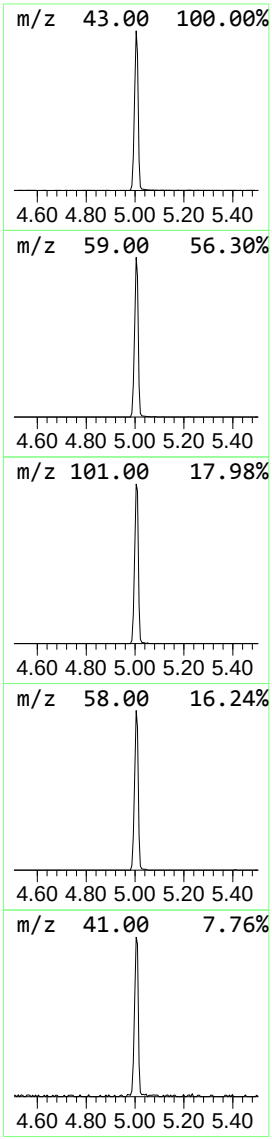
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.004	16.04 ng	1076550	1,4-Dichlorobenzene-d4	6.816

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	9





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Instrument :
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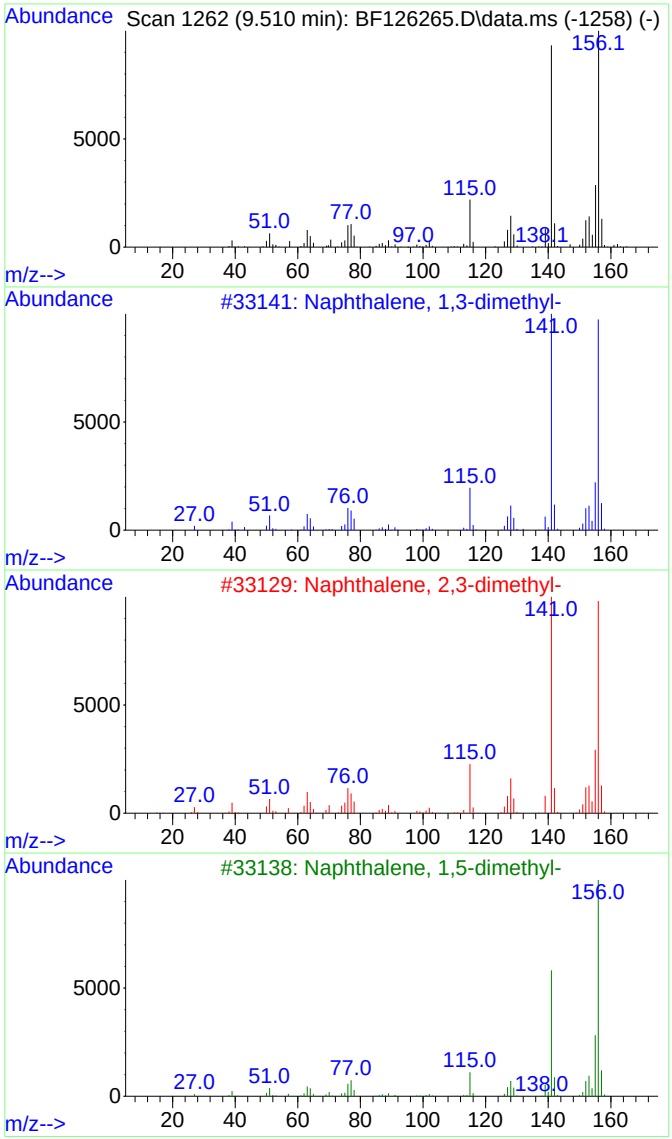
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

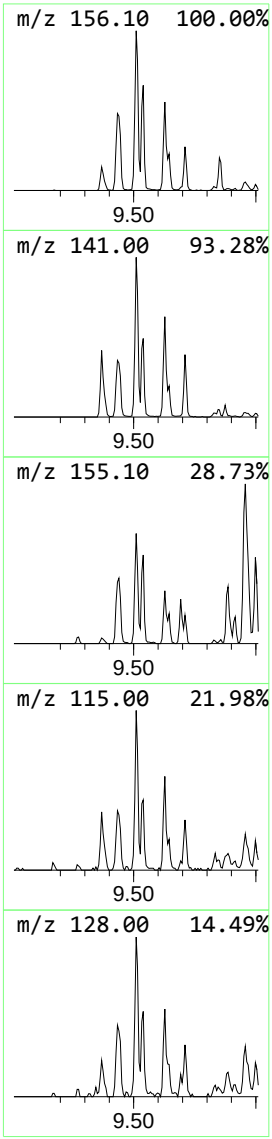
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Naphthalene, 1,3-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.510	5.58 ng	540133	Acenaphthene-d10	9.851

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	98
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97





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Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

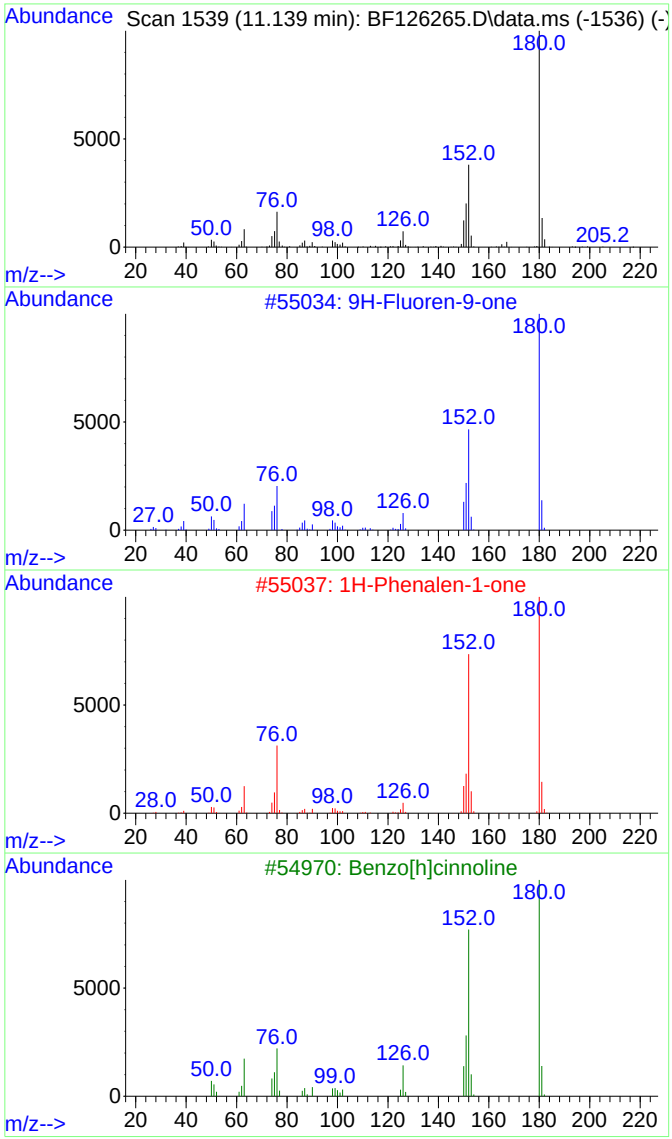
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

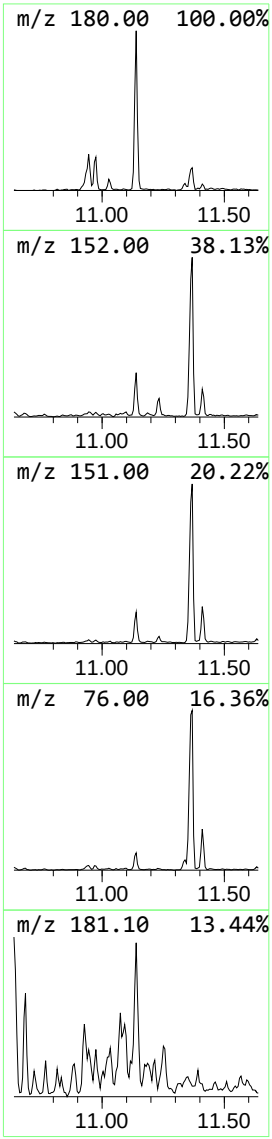
****

Peak Number 4 9H-Fluoren-9-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.139	4.44 ng	391780	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	97
2	1H-Phenalen-1-one	180	C13H8O	000548-39-0	78
3	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	53
4	2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	50
5	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121821\
Data File : BF126265.D
Acq On : 18 Dec 2021 20:54
Operator : JU/CG
Sample : M5168-03 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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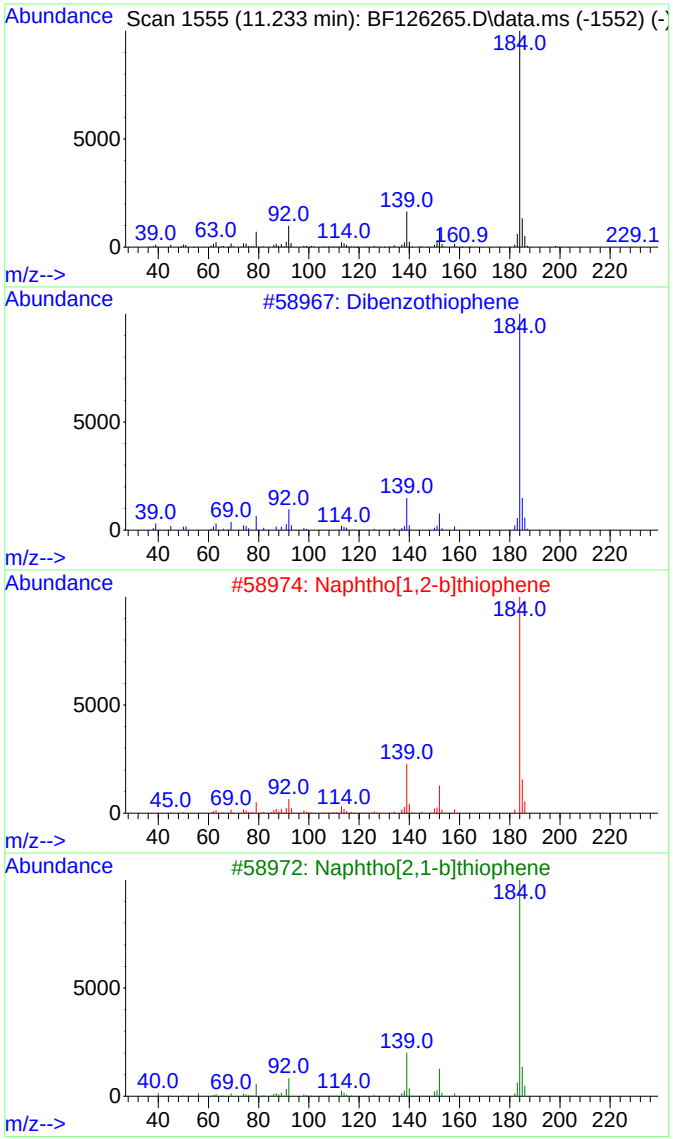
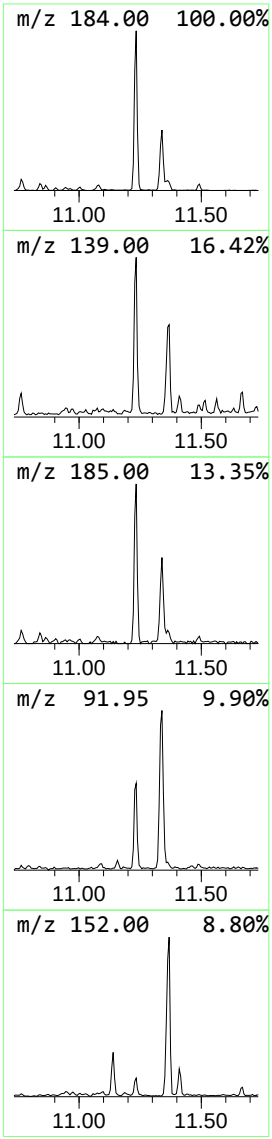
Peak Number 5 Dibenzothiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.233	6.47 ng	571494	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	64





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Operator : JU/CG
Sample : M5168-03 10X
Misc :
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ClientSampleId :
SB-21-C

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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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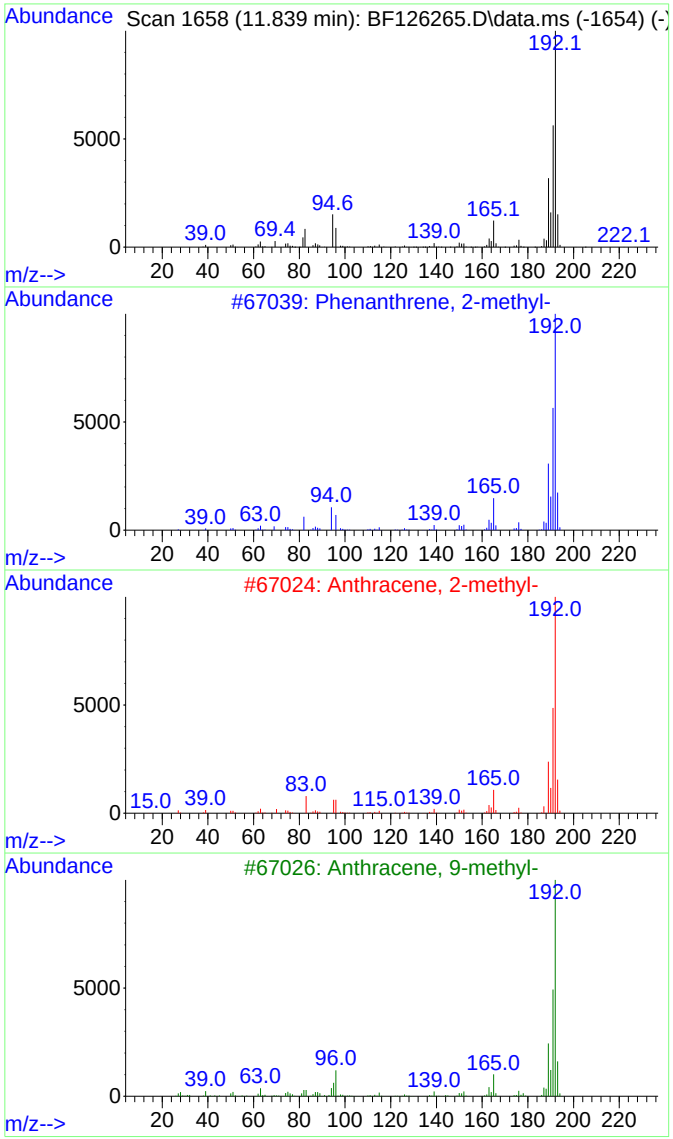
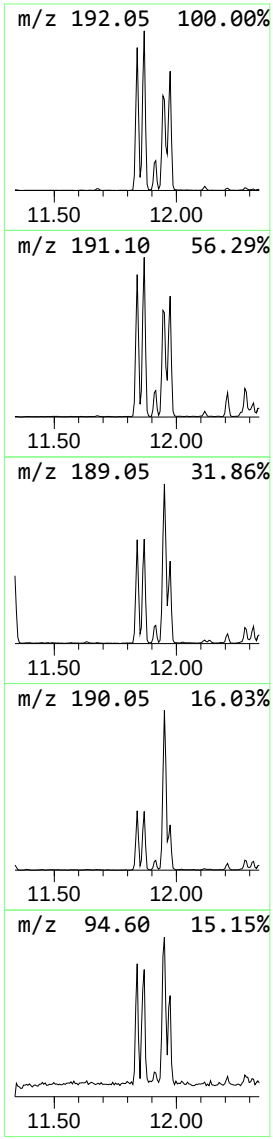
Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.839	14.12 ng	1247350	Phenanthrene-d10	11.339

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	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	92





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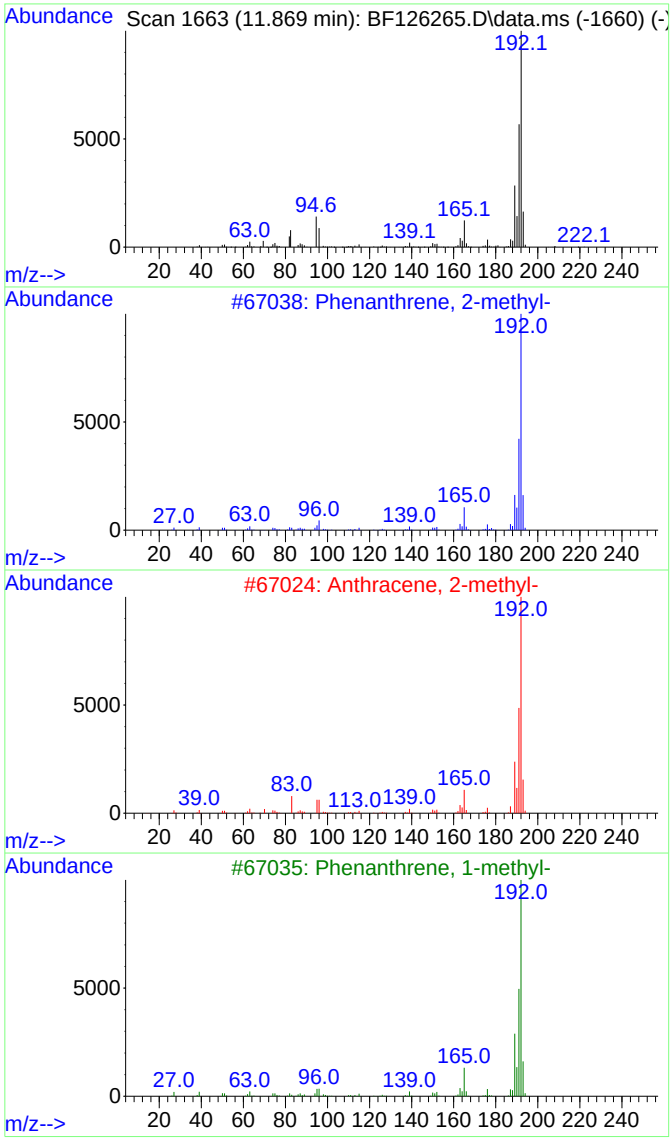
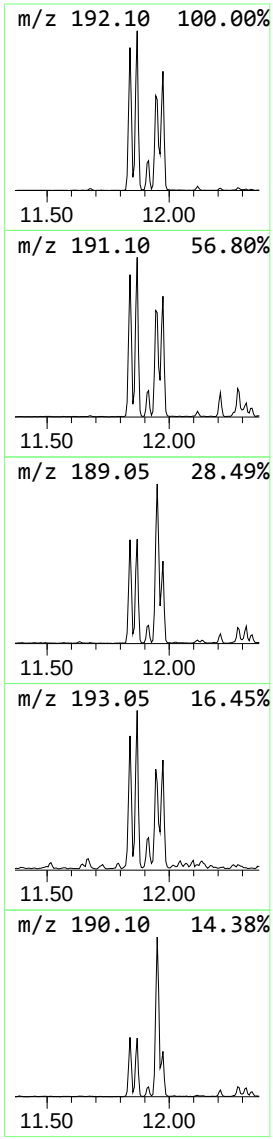
Peak Number 7 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.868	15.26 ng	1347690	Phenanthrene-d10	11.339

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	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





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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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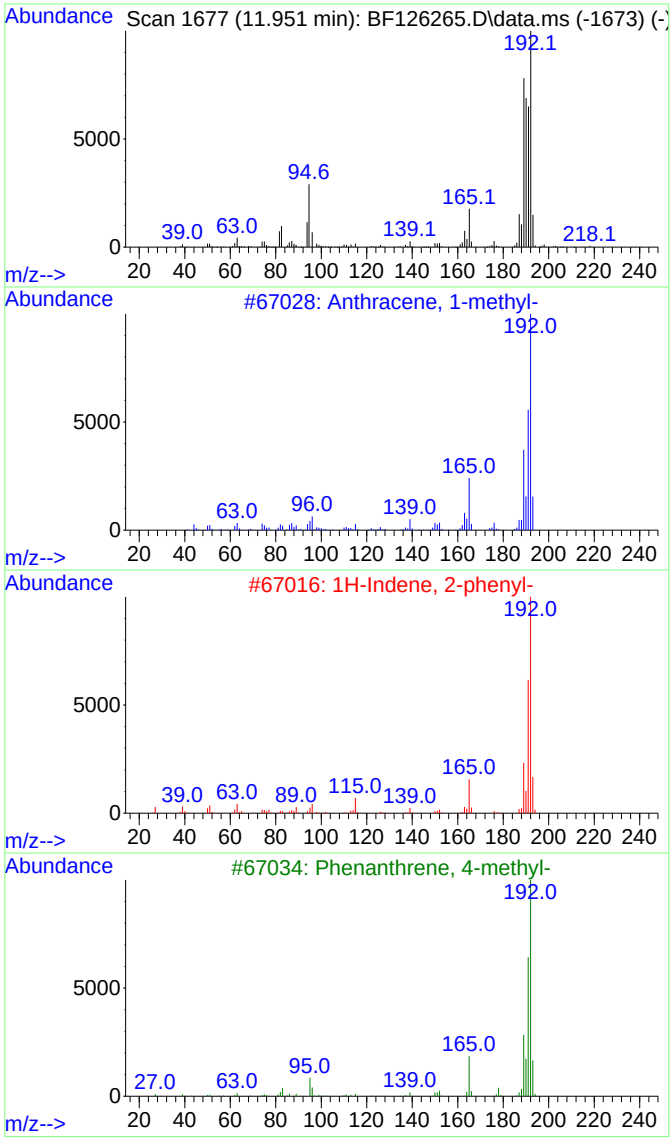
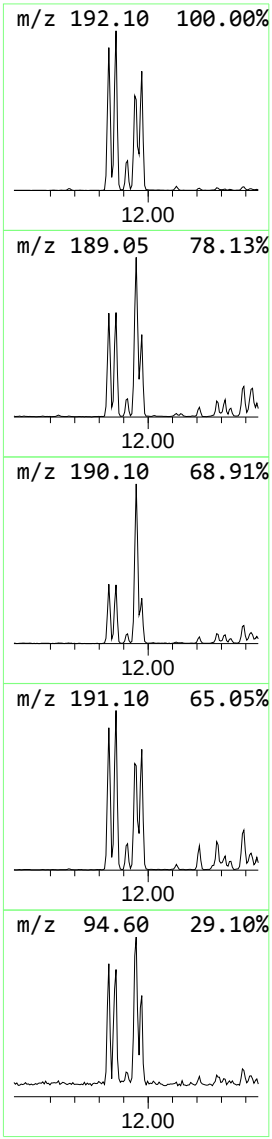
Peak Number 8 Anthracene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.951	18.22 ng	1608870	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	52
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	46
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	46
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	46
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	46





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

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

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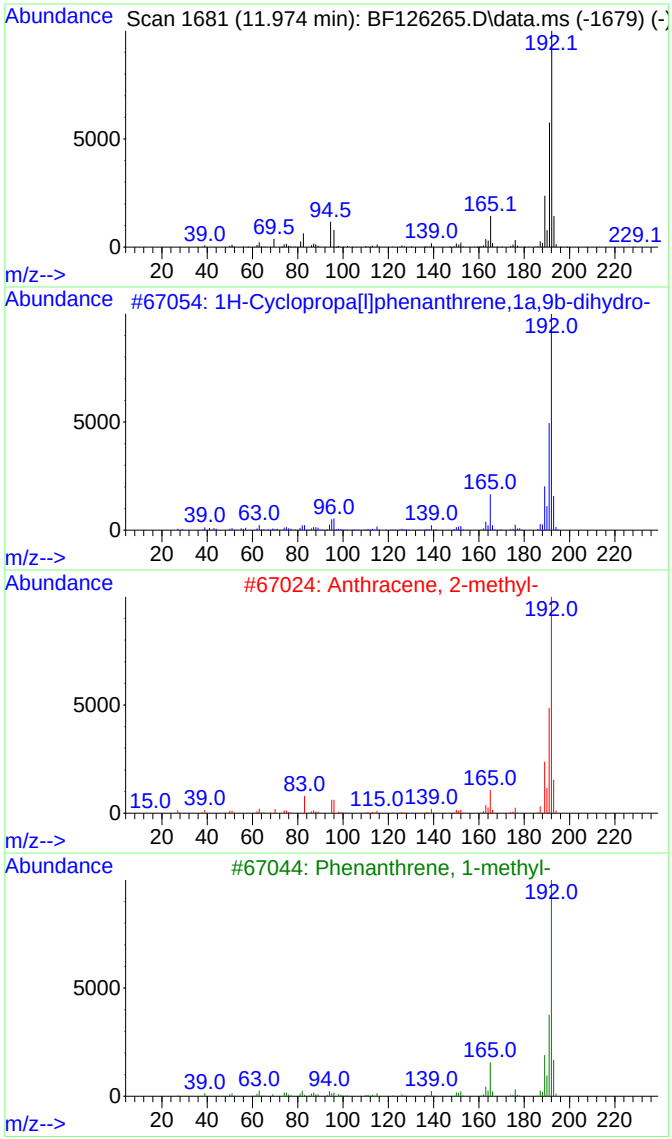
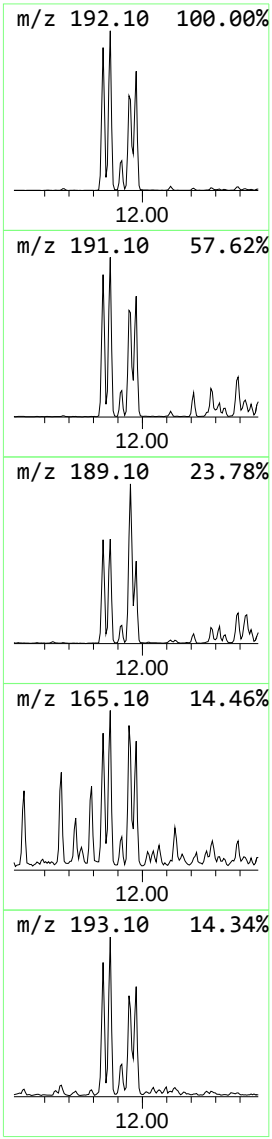
Peak Number 9 1H-Cyclopropa[l]phenanthren... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.974	10.46 ng	923832	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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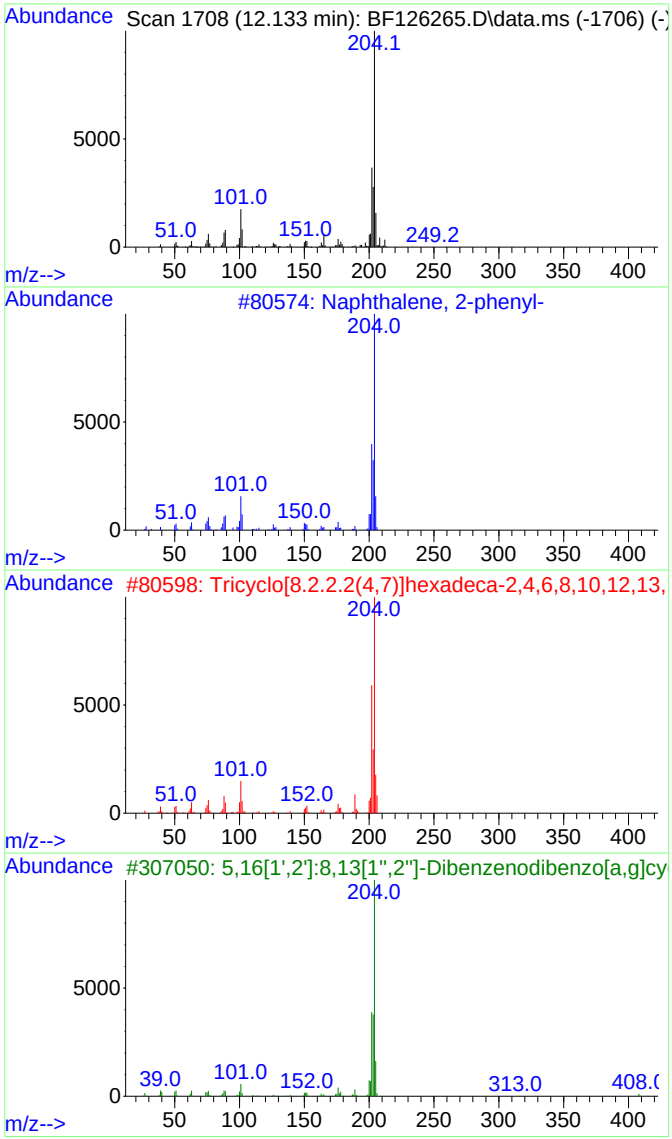
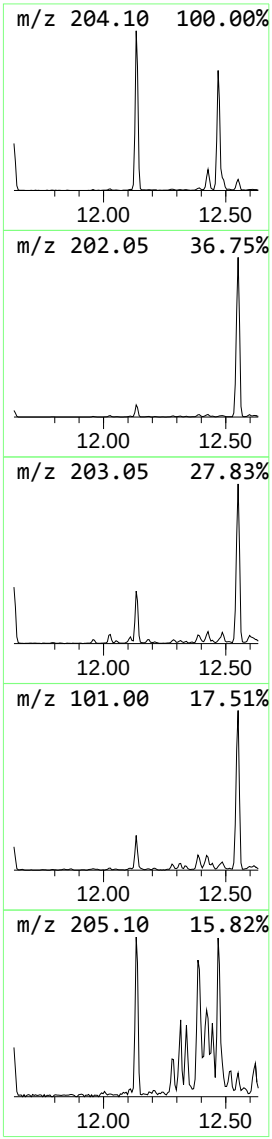
Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.133	7.67 ng	677088	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	90
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	64
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	52





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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

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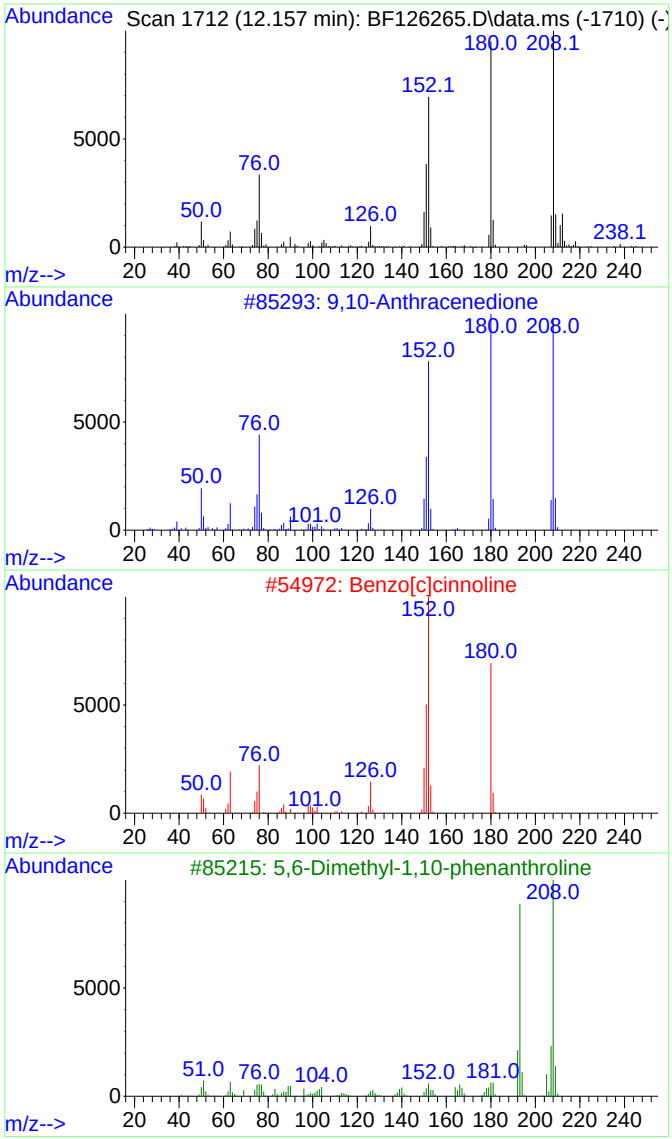
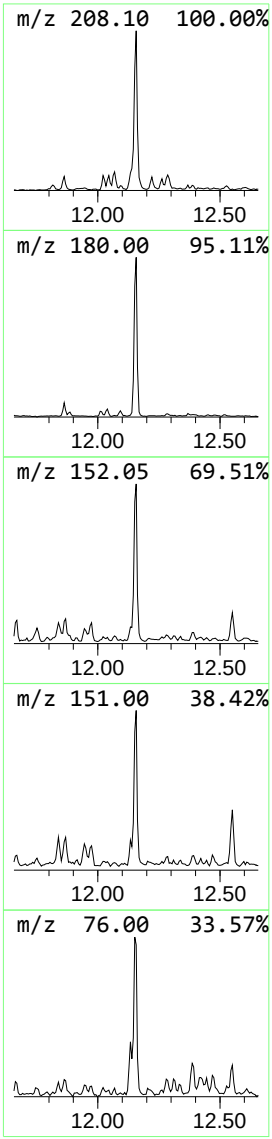
Peak Number 11 9,10-Anthracenedione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.157	6.74 ng	595298	Phenanthrene-d10	11.339

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	55
3	5,6-Dimethyl-1,10-phenanthroline	208	C14H12N2	003002-81-1	47
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	46
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	46





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

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

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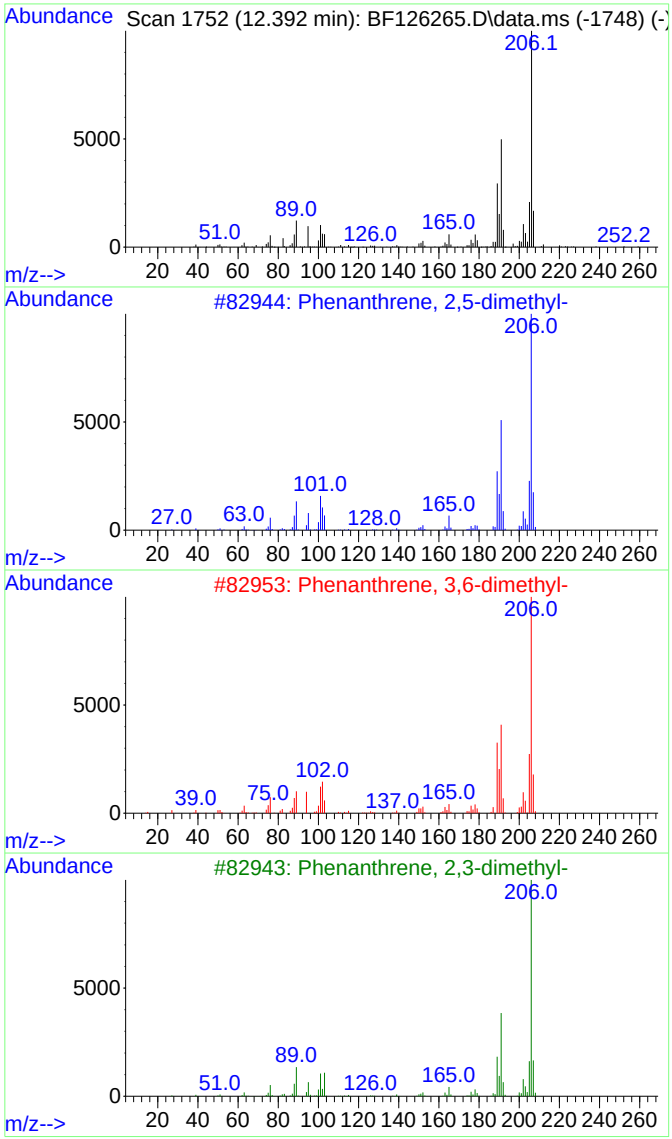
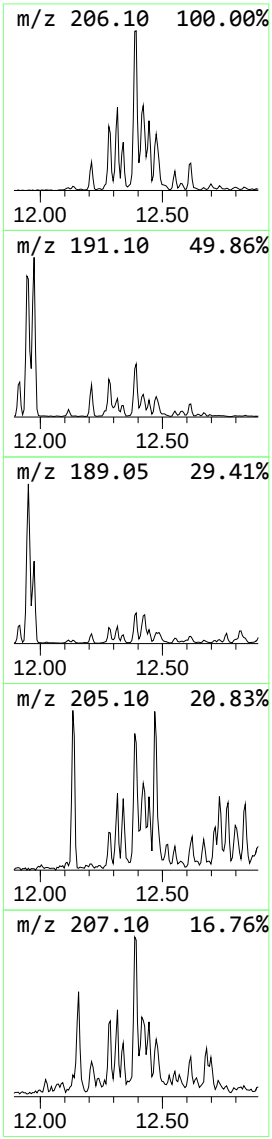
Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.392	6.47 ng	571068	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	86





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

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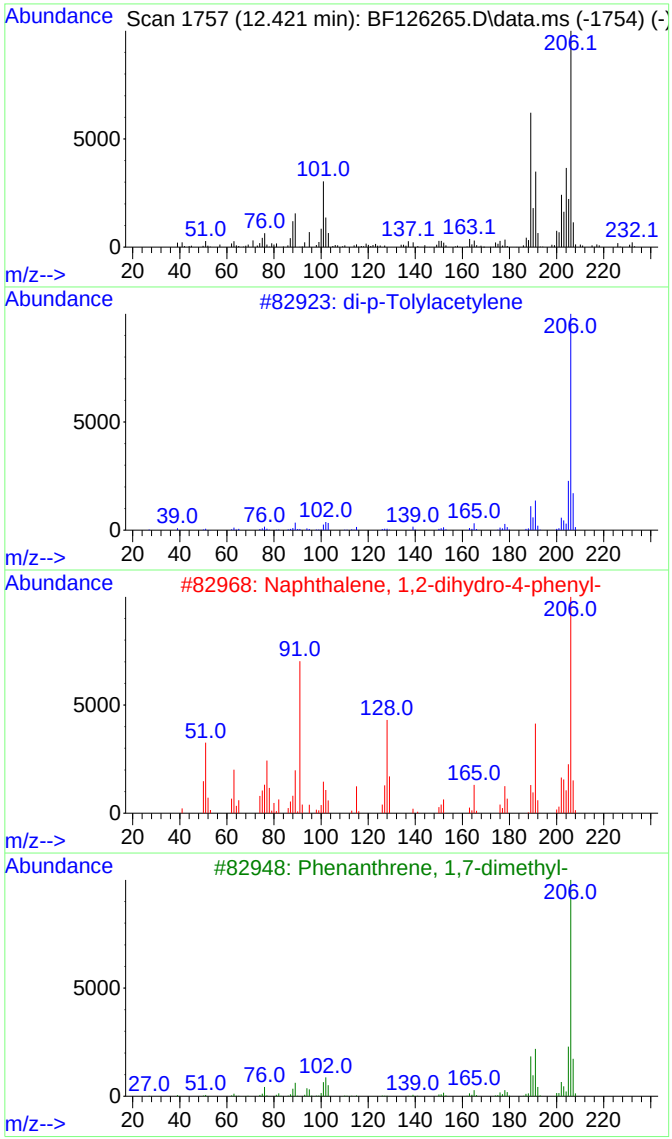
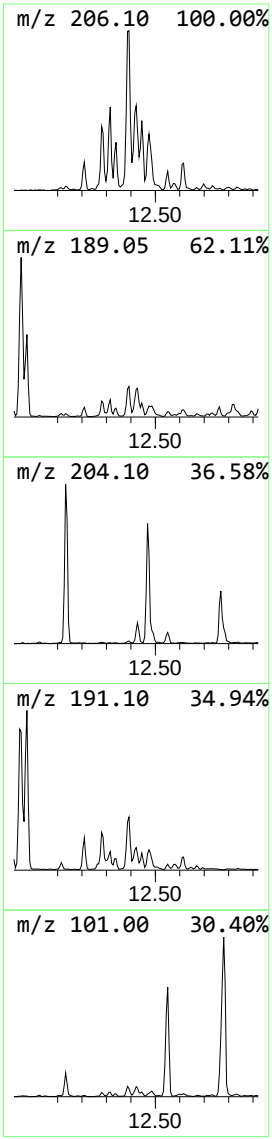
Peak Number 13 di-p-Tolylacetylene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.421	4.68 ng	413074	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	64
2	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	58
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	58
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	53
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	53





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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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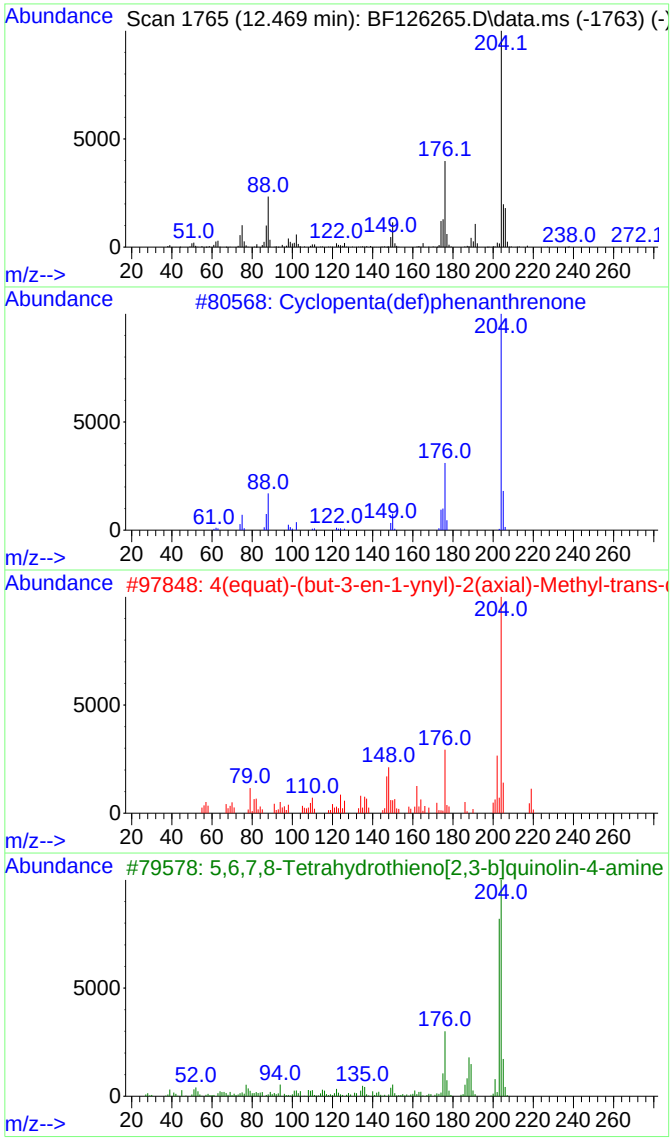
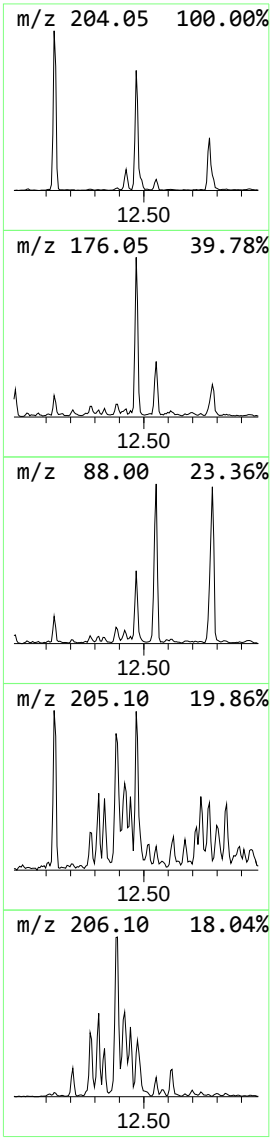
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.469	7.28 ng	642807	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	4(equat)-(but-3-en-1-ynyl)-2(axi...	219	C14H21NO	038423-22-2	50
3	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	47
4	Tetracyano-p-quinodimethane	204	C12H4N4	001518-16-7	43
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	40





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

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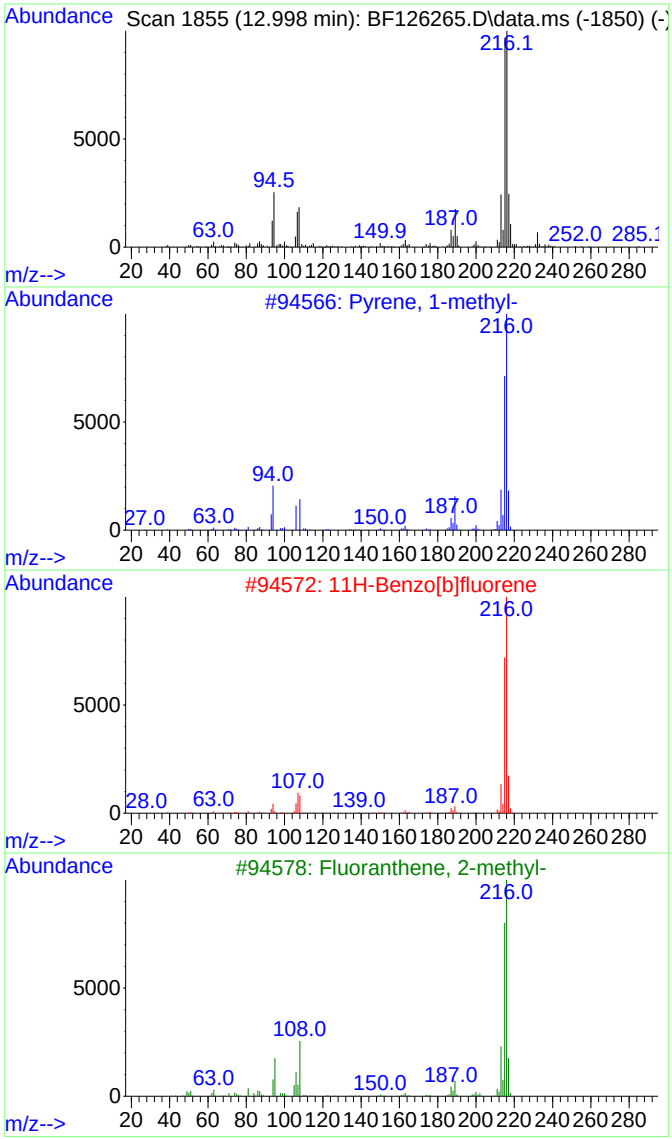
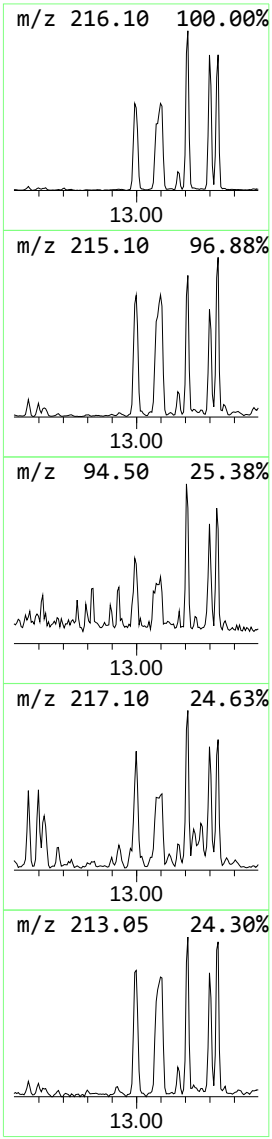
Peak Number 15 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.998	4.62 ng	592323	Chrysene-d12	13.974

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	52





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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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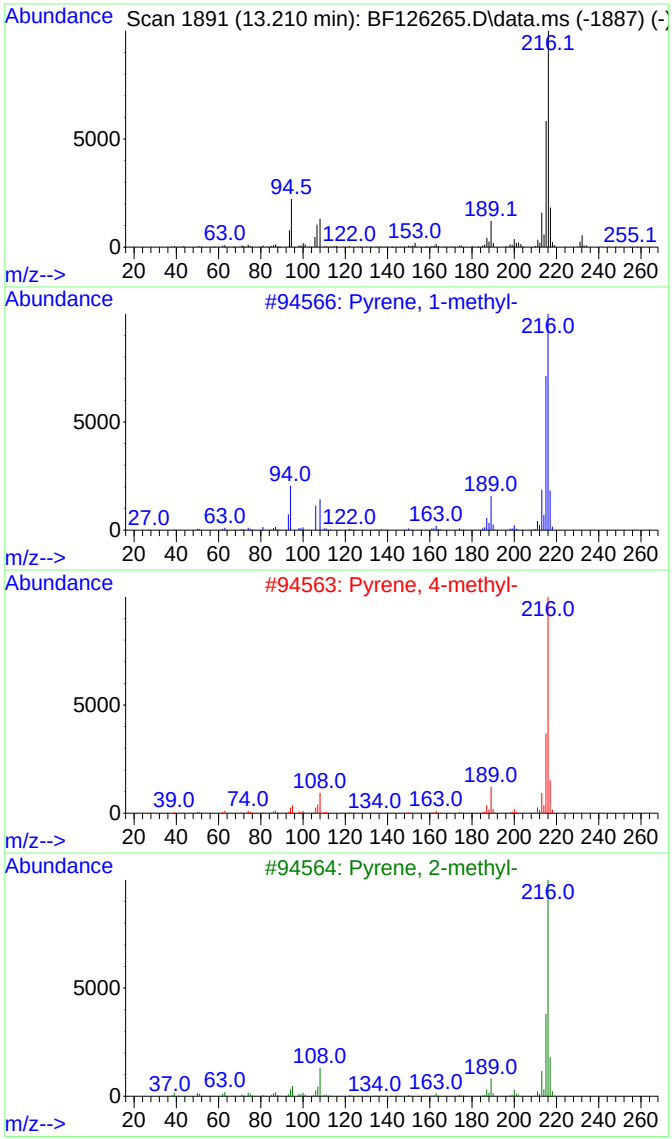
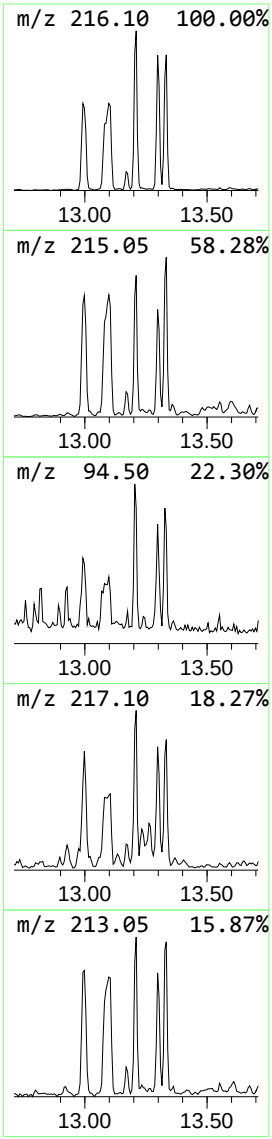
Peak Number 16 Pyrene, 4-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.210	4.55 ng	583198	Chrysene-d12	13.974

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	95
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	95
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93





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Data File : BF126265.D
Acq On : 18 Dec 2021 20:54
Operator : JU/CG
Sample : M5168-03 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-21-C

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.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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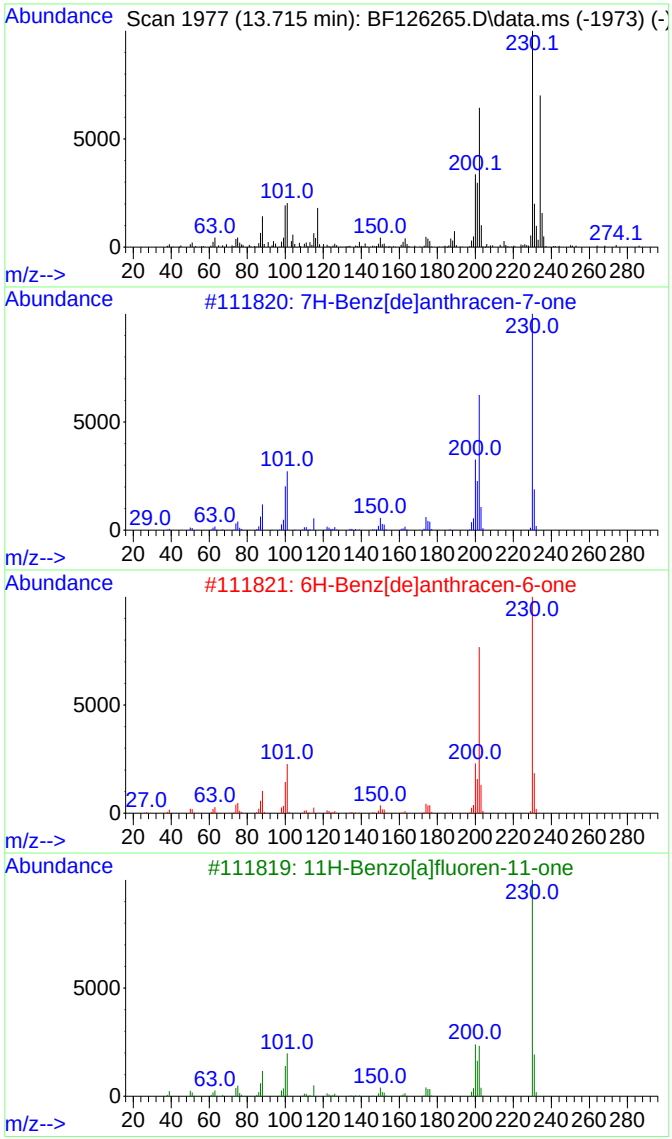
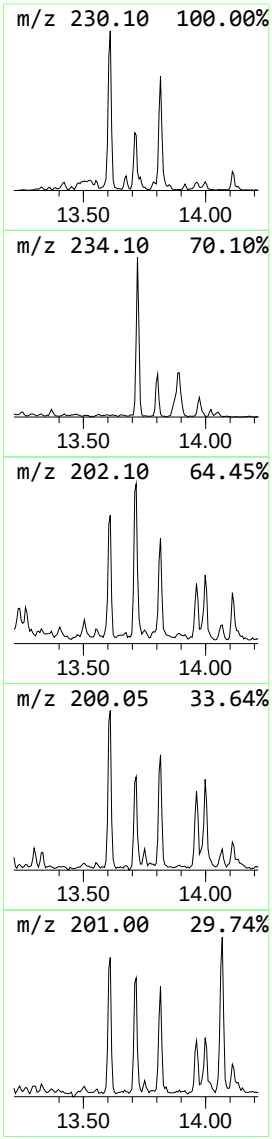
Peak Number 17 7H-Benz[de]anthracen-7-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.716	4.13 ng	529322	Chrysene-d12	13.974

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	98
2	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	96
3	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	96
4	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	70
5	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	60





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Operator : JU/CG
Sample : M5168-03 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-21-C

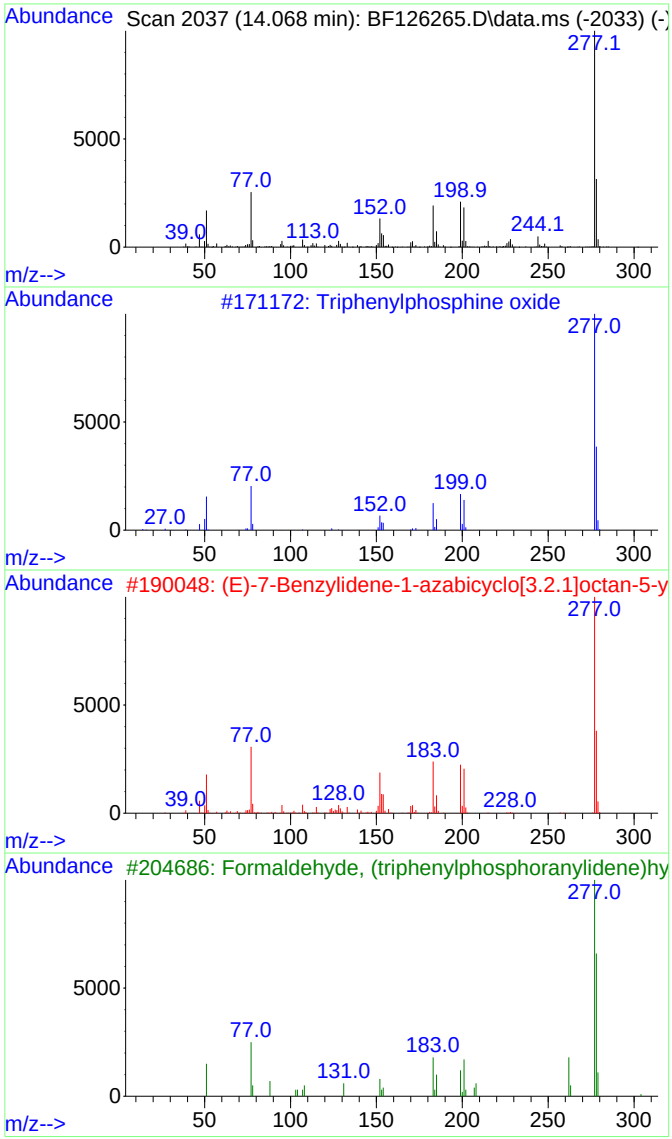
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

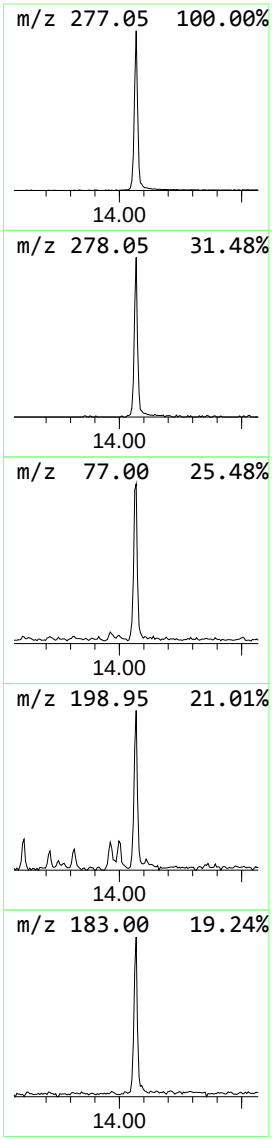
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Triphenylphosphine oxide Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.068	4.43 ng	568393	Chrysene-d12	13.974

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylphosphine oxide	278	C18H15OP	000791-28-6	97
2	(E)-7-Benzylidene-1-azabicyclo[3...	293	C15H19NO3S	1000483-83-4	76
3	Formaldehyde, (triphenylphosphor...	304	C19H17N2P	015990-54-2	42
4	Carbazol-1-one, 1,2,3,4-tetrahyd...	277	C18H15NO2	299962-12-2	40
5	Vanadium, cycloheptatrienyl-(pen...	277	C17H22V	1000155-20-5	37





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Data File : BF126265.D
Acq On : 18 Dec 2021 20:54
Operator : JU/CG
Sample : M5168-03 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-21-C

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.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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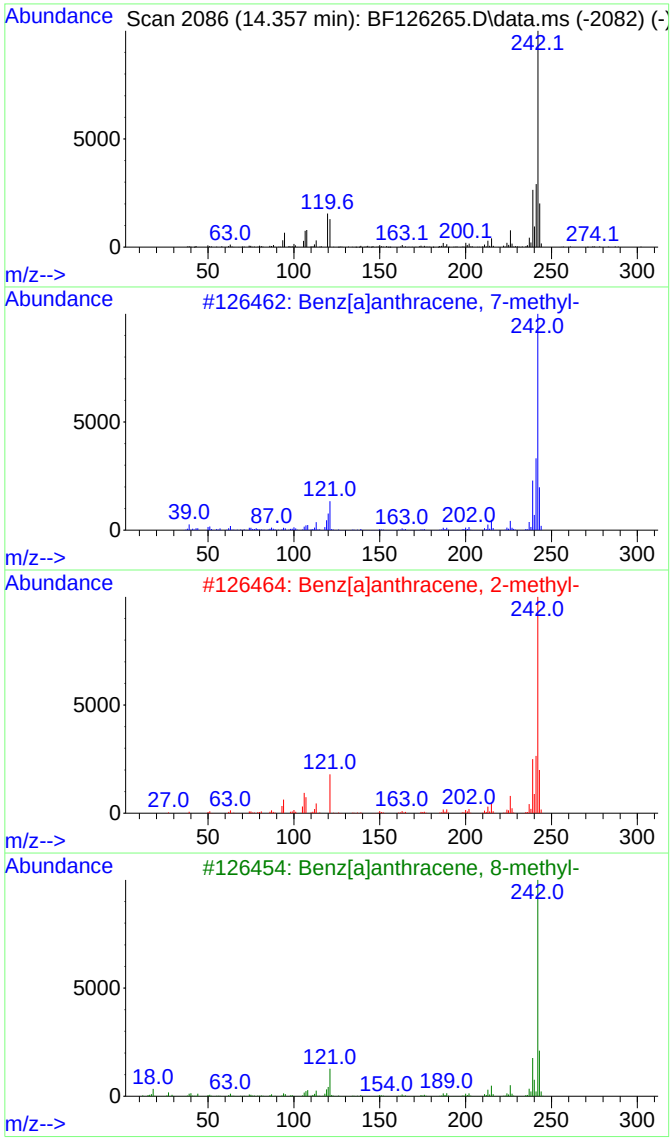
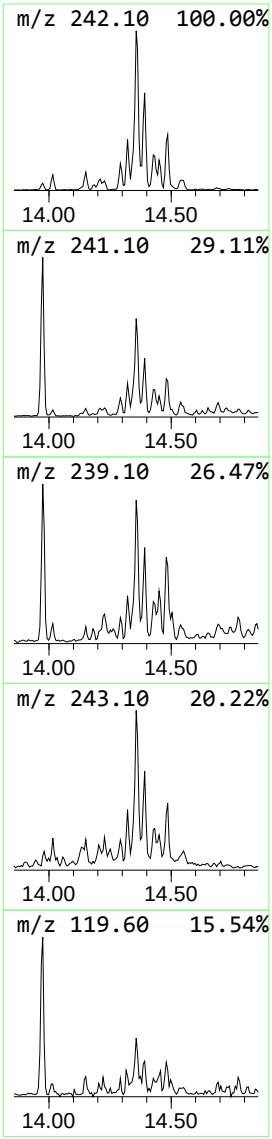
Peak Number 19 Benz[a]anthracene, 7-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.357	4.17 ng	535176	Chrysene-d12	13.974

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	98
2	Benz[a]anthracene, 2-methyl-	242	C19H14	002498-76-2	98
3	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	96
4	Chrysene, 3-methyl-	242	C19H14	003351-31-3	95
5	Benz[a]anthracene, 10-methyl-	242	C19H14	002381-15-9	93





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Operator : JU/CG
Sample : M5168-03 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-21-C

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.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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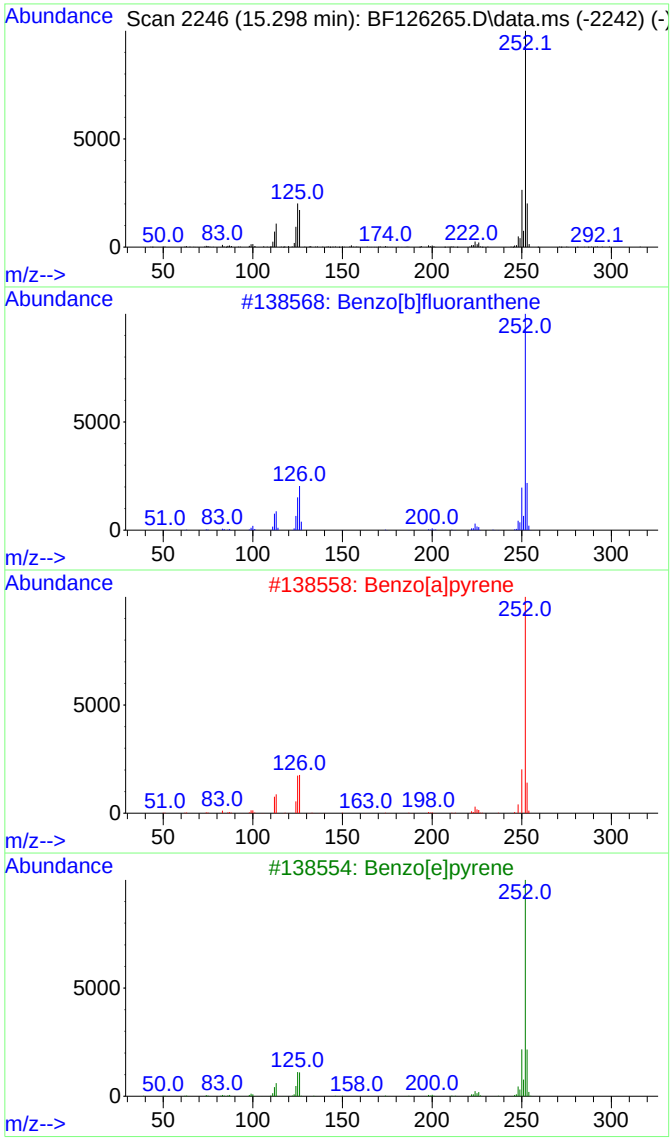
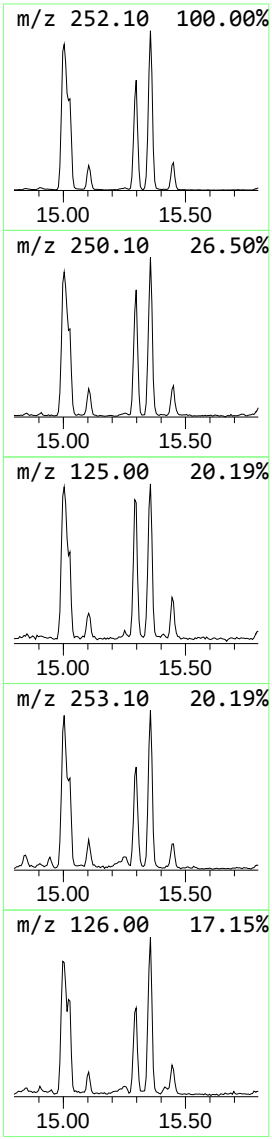
Peak Number 20 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.298	10.03 ng	508615	Perylene-d12	15.421

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]fluoranthene	252	C20H12	000205-99-2	96
2	Benzo[a]pyrene	252	C20H12	000050-32-8	94
3	Benzo[e]pyrene	252	C20H12	000192-97-2	93
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	91
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121821\
Data File : BF126265.D
Acq On : 18 Dec 2021 20:54
Operator : JU/CG
Sample : M5168-03 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-21-C

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.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
3-Penten-2-one,...	4.381	28.1	ng	1884480	1	6.816	1342520	20.0
2-Pentanone, 4-...	5.004	16.0	ng	1076550	1	6.816	1342520	20.0
Naphthalene, 1,...	9.510	5.6	ng	540133	3	9.851	1937270	20.0
9H-Fluoren-9-one	11.139	4.4	ng	391780	4	11.339	1766290	20.0
Dibenzothiophene	11.233	6.5	ng	571494	4	11.339	1766290	20.0
Phenanthrene, 2...	11.839	14.1	ng	1247350	4	11.339	1766290	20.0
Anthracene, 2-m...	11.868	15.3	ng	1347690	4	11.339	1766290	20.0
Anthracene, 1-m...	11.951	18.2	ng	1608870	4	11.339	1766290	20.0
1H-Cyclopropa[l...	11.974	10.5	ng	923832	4	11.339	1766290	20.0
Naphthalene, 2-...	12.133	7.7	ng	677088	4	11.339	1766290	20.0
9,10-Anthracene...	12.157	6.7	ng	595298	4	11.339	1766290	20.0
Phenanthrene, 2...	12.392	6.5	ng	571068	4	11.339	1766290	20.0
di-p-Tolylacety...	12.421	4.7	ng	413074	4	11.339	1766290	20.0
Cyclopenta(def)...	12.469	7.3	ng	642807	4	11.339	1766290	20.0
Pyrene, 1-methyl-	12.998	4.6	ng	592323	5	13.974	2565690	20.0
Pyrene, 4-methyl-	13.210	4.5	ng	583198	5	13.974	2565690	20.0
7H-Benz[de]anth...	13.716	4.1	ng	529322	5	13.974	2565690	20.0
Triphenylphosph...	14.068	4.4	ng	568393	5	13.974	2565690	20.0
Benz[a]anthrace...	14.357	4.2	ng	535176	5	13.974	2565690	20.0
Benzo[e]pyrene	15.298	10.0	ng	508615	6	15.421	1014570	20.0