LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101525\
Data File : BF143964.D
Acq On : 15 Oct 2025 20:52
Operator : RC/JU
Sample : Q3345-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TANK-FARM-SOIL

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % 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-BF100625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143964.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.104	491	495	505	rVB	39299	67324	2.42%	0.141%
2	5.499	556	562	576	rBV	1831097	2462425	88.54%	5.156%
3	6.504	726	733	761	rBV	1824945	2638358	94.86%	5.524%
4	6.881	792	797	803	rBV	635245	793503	28.53%	1.661%
5	7.440	881	892	903	rBV	1226023	1663331	59.81%	3.482%
6	8.163	1007	1015	1023	rBV	806301	1103178	39.67%	2.310%
7	8.875	1131	1136	1143	rBV	44740	55330	1.99%	0.116%
8	8.975	1149	1153	1160	rVB	57726	72882	2.62%	0.153%
9	9.239	1192	1198	1203	rBV	1912171	2477958	89.10%	5.188%
10	9.339	1208	1215	1219	rVB3	14079	32882	1.18%	0.069%
11	9.504	1238	1243	1248	rBV	32819	50505	1.82%	0.106%
12	9.575	1250	1255	1258	rBV	70757	99833	3.59%	0.209%
13	9.604	1258	1260	1264	rVB	34223	35842	1.29%	0.075%
14	9.692	1271	1275	1284	rVV	37130	60915	2.19%	0.128%
15	9.781	1284	1290	1297	rVB	85134	110164	3.96%	0.231%
16	9.922	1305	1314	1317	rBV	895310	1183473	42.55%	2.478%
17	9.951	1317	1319	1323	rVV	145648	163801	5.89%	0.343%
18	10.022	1327	1331	1336	rVV3	17380	27828	1.00%	0.058%
19	10.075	1336	1340	1343	rVV2	20405	29645	1.07%	0.062%
20	10.122	1343	1348	1352	rVV	94351	129203	4.65%	0.271%
21	10.163	1352	1355	1363	rVB	35621	48333	1.74%	0.101%
22	10.234	1363	1367	1370	rBV	39214	55766	2.01%	0.117%
23	10.263	1370	1372	1378	rVB	25835	32337	1.16%	0.068%
24	10.328	1378	1383	1389	rBV3	36311	83465	3.00%	0.175%
25	10.469	1402	1407	1412	rVB	136170	181783	6.54%	0.381%
26	10.534	1412	1418	1420	rBV	41890	75016	2.70%	0.157%
27	10.634	1429	1435	1440	rVB2	429734	573311	20.61%	1.200%
28	10.710	1442	1448	1454	rBV	1200432	1574058	56.60%	3.296%
29	10.833	1463	1469	1475	rVB5	57543	100538	3.61%	0.210%
30	10.945	1484	1488	1493	rVB	43757	57304	2.06%	0.120%
31	11.016	1493	1500	1503	rBV3	65511	127118	4.57%	0.266%
32	11.145	1517	1522	1524	rBV2	55647	86502	3.11%	0.181%
33	11.216	1530	1534	1538	rVB	112961	140160	5.04%	0.293%
34	11.263	1538	1542	1546	rVV3	67739	125031	4.50%	0.262%
35	11.304	1546	1549	1556	rVB	104129	152862	5.50%	0.320%
36	11.410	1562	1567	1569	rBV	793056	1092538	39.28%	2.287%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101525\
Data File : BF143964.D
Acq On : 15 Oct 2025 20:52
Operator : RC/JU
Sample : Q3345-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TANK-FARM-SOIL

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % 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-BF100625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.439	1569	1572	1576	rVV	1480939	1880322	67.61%	3.937%
38	11.486	1576	1580	1584	rVV	369734	493265	17.74%	1.033%
39	11.516	1584	1585	1591	rVB2	46985	53525	1.92%	0.112%
40	11.639	1601	1606	1614	rBV2	148457	264401	9.51%	0.554%
41	11.704	1614	1617	1621	rVV2	65727	97728	3.51%	0.205%
42	11.745	1621	1624	1629	rVB2	71599	94621	3.40%	0.198%
43	11.822	1635	1637	1641	rVB	32061	40786	1.47%	0.085%
44	11.869	1641	1645	1648	rBV	30489	38741	1.39%	0.081%
45	11.916	1648	1653	1655	rVV	299466	446028	16.04%	0.934%
46	11.939	1655	1657	1662	rVV	470437	585742	21.06%	1.226%
47	11.986	1662	1665	1668	rVV	126260	171085	6.15%	0.358%
48	12.028	1668	1672	1680	rVB	458683	893205	32.12%	1.870%
49	12.116	1680	1687	1690	rBV6	49431	116863	4.20%	0.245%
50	12.210	1699	1703	1705	rBV	188049	237731	8.55%	0.498%
51	12.233	1705	1707	1712	rVB	152187	175565	6.31%	0.368%
52	12.363	1723	1729	1731	rBV3	82211	131233	4.72%	0.275%
53	12.392	1731	1734	1736	rVV	39735	47362	1.70%	0.099%
54	12.469	1742	1747	1750	rBV	196538	301097	10.83%	0.630%
55	12.504	1750	1753	1758	rVV2	125398	226321	8.14%	0.474%
56	12.551	1758	1761	1767	rVB	176309	250310	9.00%	0.524%
57	12.633	1769	1775	1779	rBV	1913787	2547648	91.60%	5.334%
58	12.692	1779	1785	1788	rVV3	52169	99565	3.58%	0.208%
59	12.722	1788	1790	1793	rVB	36353	34281	1.23%	0.072%
60	12.780	1793	1800	1804	rBV3	75580	155360	5.59%	0.325%
61	12.863	1807	1814	1819	rBV	1774752	2781224	100.00%	5.823%
62	12.910	1819	1822	1827	rVB2	111087	154602	5.56%	0.324%
63	12.998	1829	1837	1845	rVB	1300394	2005979	72.13%	4.200%
64	13.075	1845	1850	1858	rBV5	212663	439035	15.79%	0.919%
65	13.186	1861	1869	1873	rVB2	242027	520838	18.73%	1.090%
66	13.251	1877	1880	1883	rVV	89172	111902	4.02%	0.234%
67	13.292	1883	1887	1894	rVB3	238573	376402	13.53%	0.788%
68	13.386	1899	1903	1905	rVV	132272	170128	6.12%	0.356%
69	13.416	1905	1908	1916	rVB2	151562	209295	7.53%	0.438%
70	13.586	1931	1937	1944	rBV7	66155	223259	8.03%	0.467%
71	13.698	1951	1956	1961	rVB	227508	317069	11.40%	0.664%
72	13.810	1970	1975	1977	rBV2	213213	338889	12.18%	0.710%
73	13.839	1977	1980	1982	rVV	193298	272501	9.80%	0.571%
74	13.863	1982	1984	1988	rVV2	173686	279701	10.06%	0.586%
75	13.904	1988	1991	1998	rVB	275581	395395	14.22%	0.828%
76	14.057	2009	2017	2020	rBV2	1397472	2480017	89.17%	5.192%

LSC Area Percent Report

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Data File : BF143964.D
Acq On : 15 Oct 2025 20:52
Operator : RC/JU
Sample : Q3345-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TANK-FARM-SOIL

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % 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-BF100625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.086	2020	2022	2029	rVB	982965	1317026	47.35%	2.757%
78	14.169	2033	2036	2039	rVB	80973	94788	3.41%	0.198%
79	14.286	2053	2056	2059	rVB2	79634	95341	3.43%	0.200%
80	14.445	2079	2083	2087	rBV	206578	290110	10.43%	0.607%
81	14.480	2087	2089	2093	rVB	130890	143496	5.16%	0.300%
82	14.574	2102	2105	2107	rBV	77288	88662	3.19%	0.186%
83	15.116	2191	2197	2206	rBV	1005029	2429818	87.37%	5.087%
84	15.221	2211	2215	2219	rVB	175059	237618	8.54%	0.497%
85	15.421	2244	2249	2255	rVB	554324	900566	32.38%	1.886%
86	15.486	2255	2260	2265	rVB	818211	1234937	44.40%	2.586%
87	15.551	2265	2271	2274	rBV	473413	829584	29.83%	1.737%
88	17.045	2518	2525	2534	rVB2	360075	819098	29.45%	1.715%
89	17.227	2551	2556	2561	rBV	67942	127607	4.59%	0.267%
90	17.286	2562	2566	2572	rVB2	48616	92423	3.32%	0.194%
91	17.498	2595	2602	2616	rVB	273503	653926	23.51%	1.369%
92	17.733	2638	2642	2657	rVB2	66753	184080	6.62%	0.385%

Sum of corrected areas: 47762603

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101525\
Data File : BF143964.D
Acq On : 15 Oct 2025 20:52
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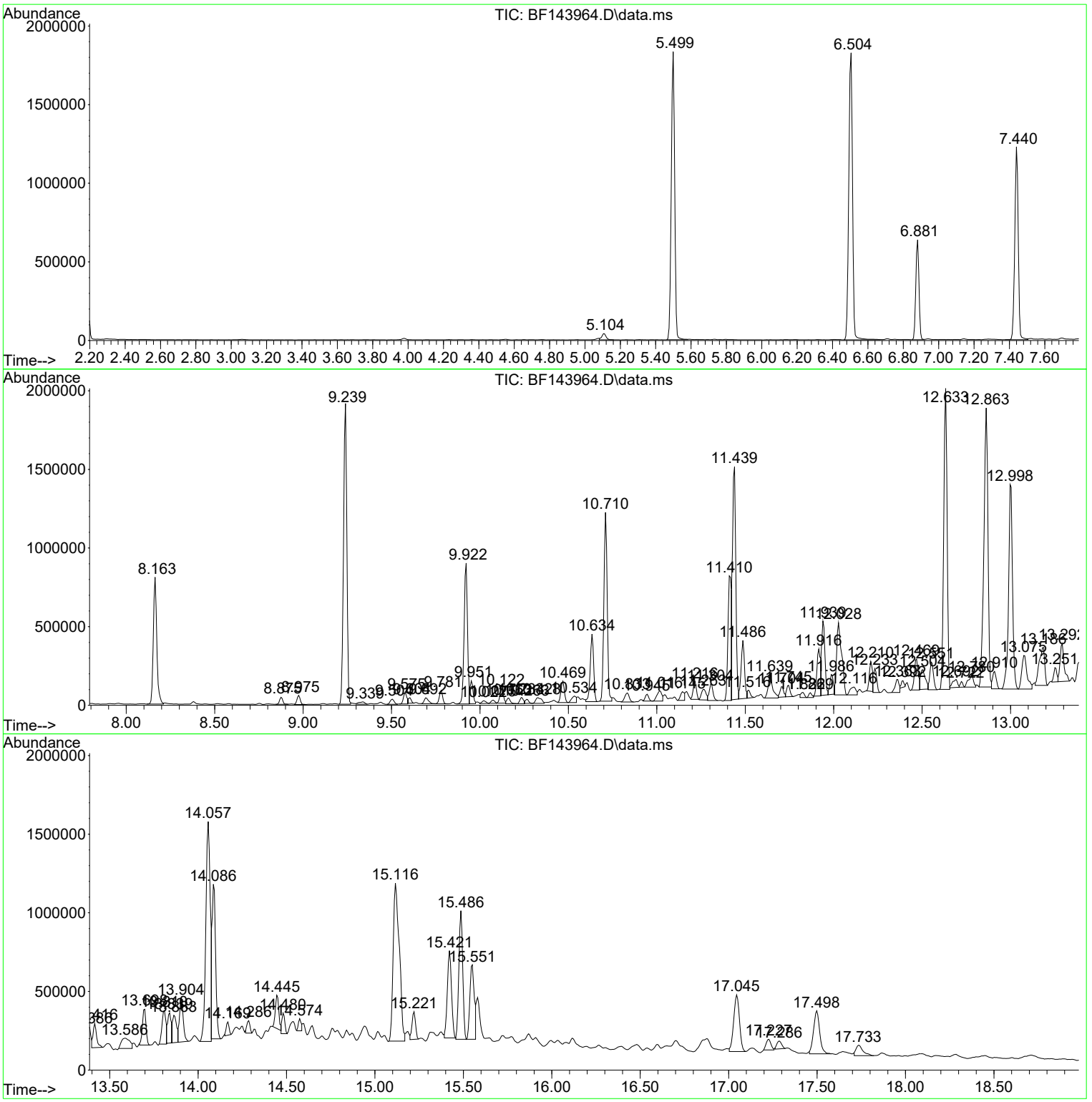
Sample : Q3345-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TANK-FARM-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.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\BF101525\
Data File : BF143964.D
Acq On : 15 Oct 2025 20:52
Operator : RC/JU
Sample : Q3345-01
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ALS Vial : 15 Sample Multiplier: 1

Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

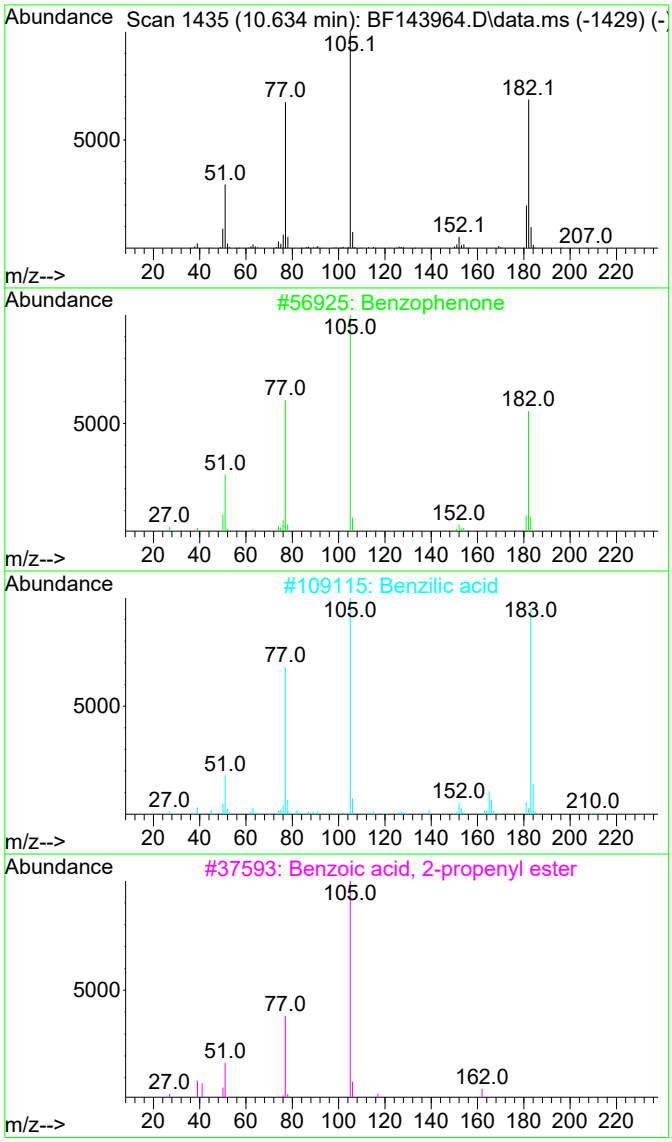
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

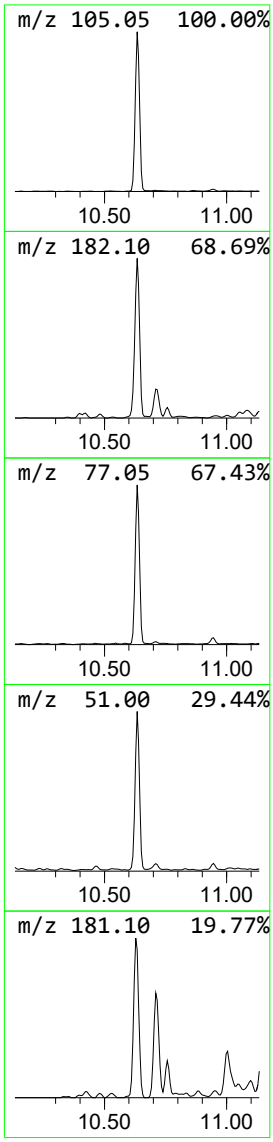
****

Peak Number 1 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.634	9.69 ng	573311	Acenaphthene-d10	9.922

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	95
2	Benzilic acid	228	C14H12O3	000076-93-7	43
3	Benzoic acid, 2-propenyl ester	162	C10H10O2	000583-04-0	38
4	5-Oxo-5-phenylpentanenitrile	173	C11H11NO	1000486-83-7	38
5	Methyl 2-benzoyl-4-cyanobutanoate	231	C13H13NO3	1010486-83-8	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101525\
Data File : BF143964.D
Acq On : 15 Oct 2025 20:52
Operator : RC/JU
Sample : Q3345-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TANK-FARM-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.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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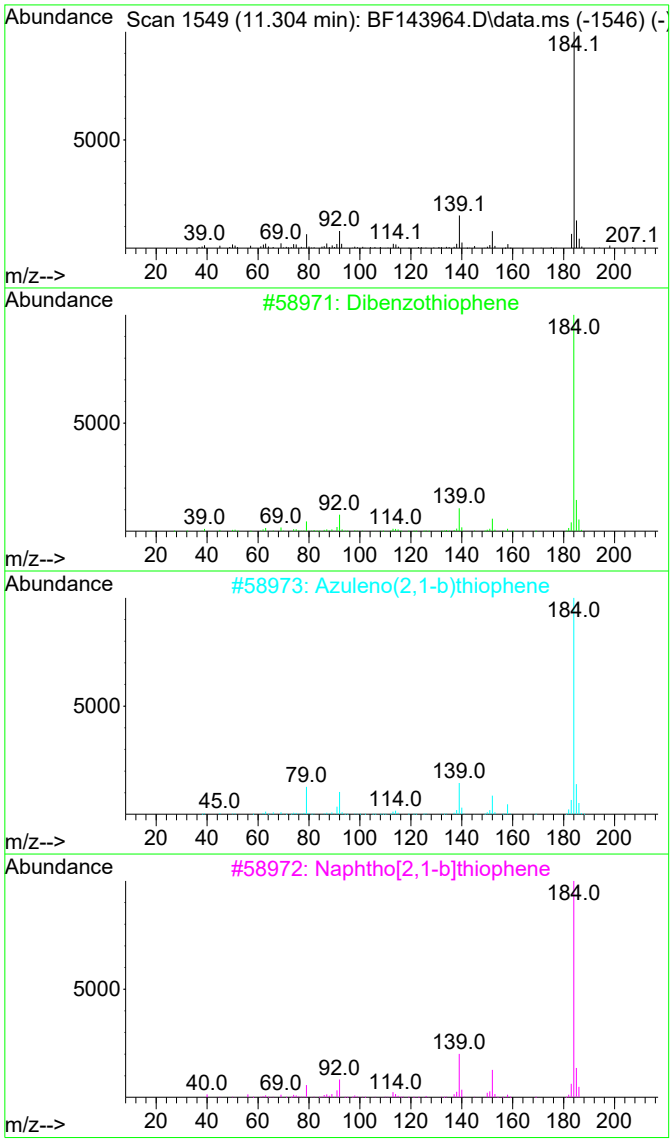
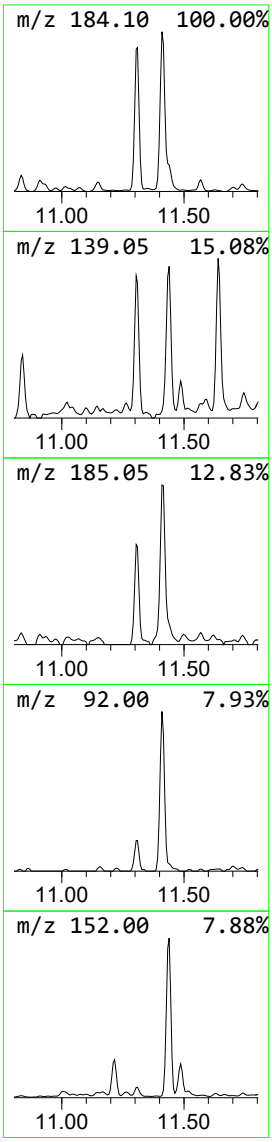
Peak Number 2 Dibenzothiophene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.304	2.80 ng	152862	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	90
5	Dibenzothiophene, 5-oxide	200	C12H8OS	001013-23-6	78





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Data File : BF143964.D
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Operator : RC/JU
Sample : Q3345-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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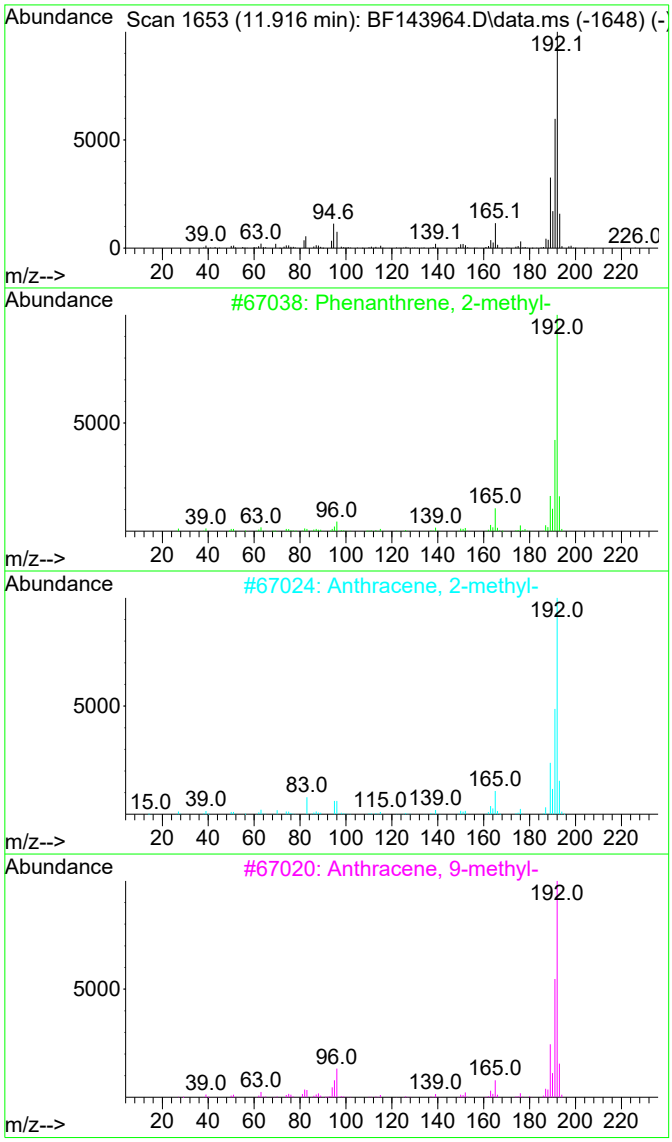
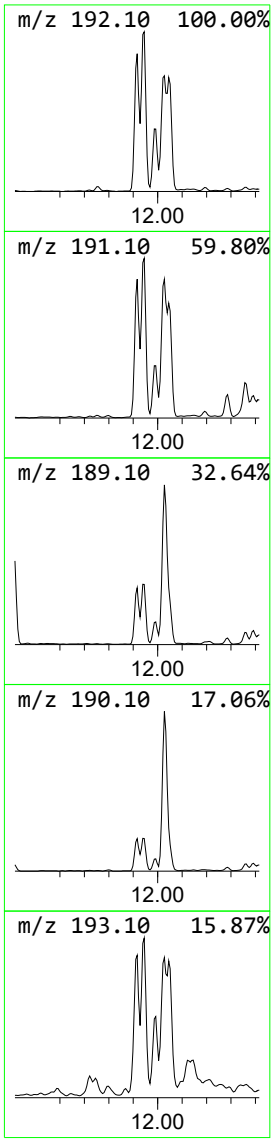
Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.916	8.16 ng	446028	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	89
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	83





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Data File : BF143964.D
Acq On : 15 Oct 2025 20:52
Operator : RC/JU
Sample : Q3345-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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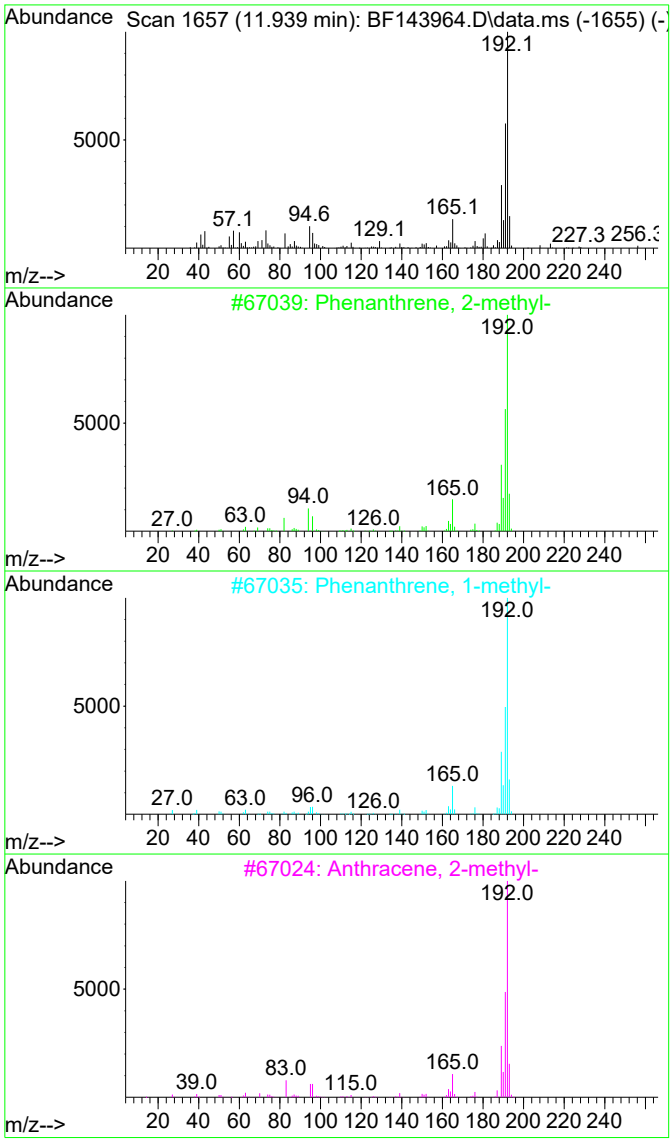
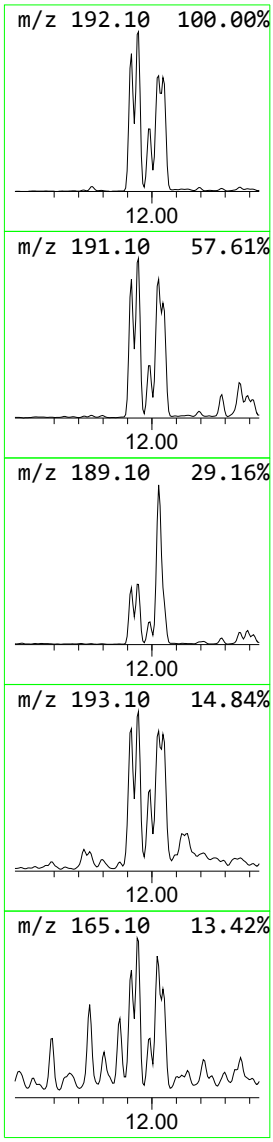
Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.939	10.72 ng	585742	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101525\
Data File : BF143964.D
Acq On : 15 Oct 2025 20:52
Operator : RC/JU
Sample : Q3345-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TANK-FARM-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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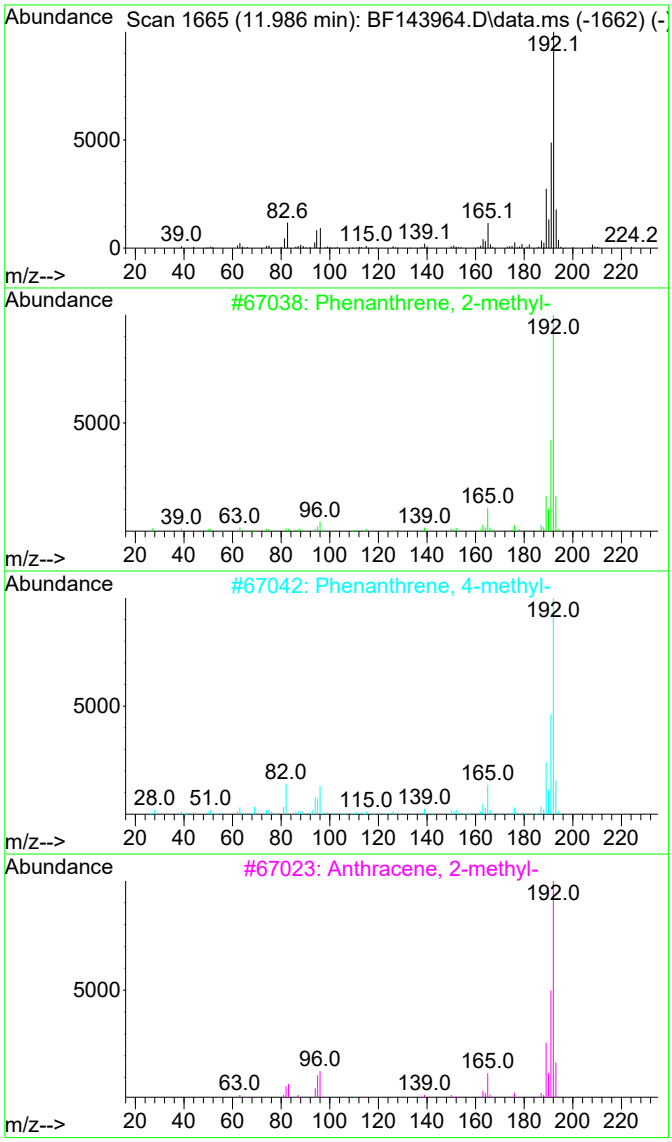
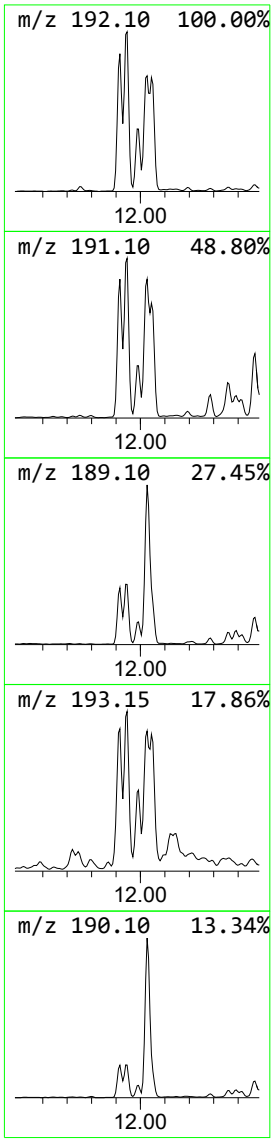
Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.986	3.13 ng	171085	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101525\
Data File : BF143964.D
Acq On : 15 Oct 2025 20:52
Operator : RC/JU
Sample : Q3345-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TANK-FARM-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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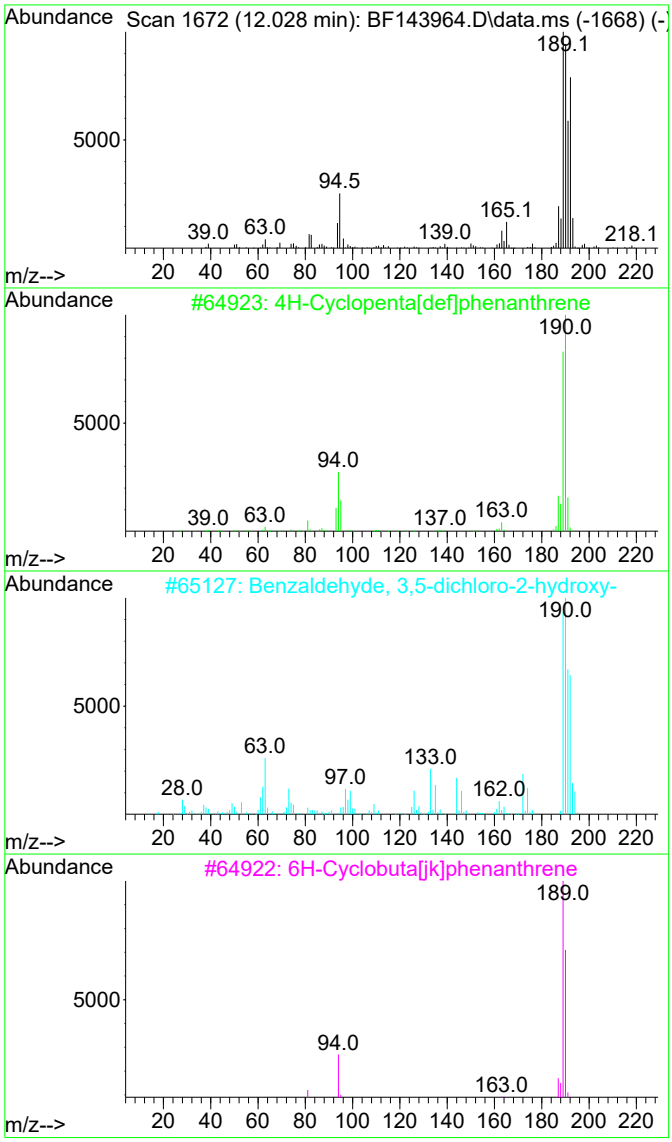
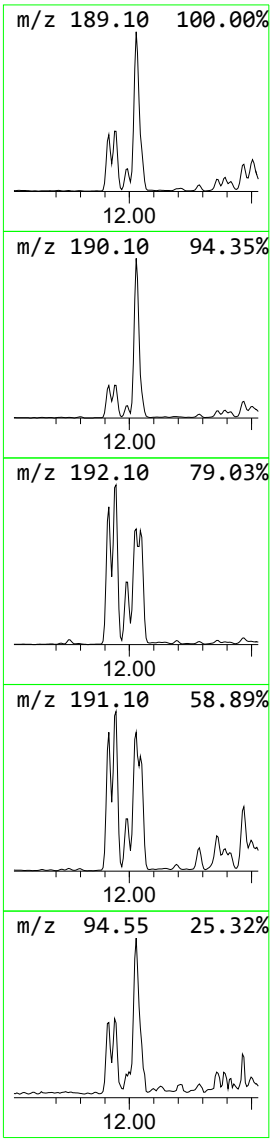
Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.028	16.35 ng	893205	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	42
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38





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Misc :
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ClientSampleId :
TANK-FARM-SOIL

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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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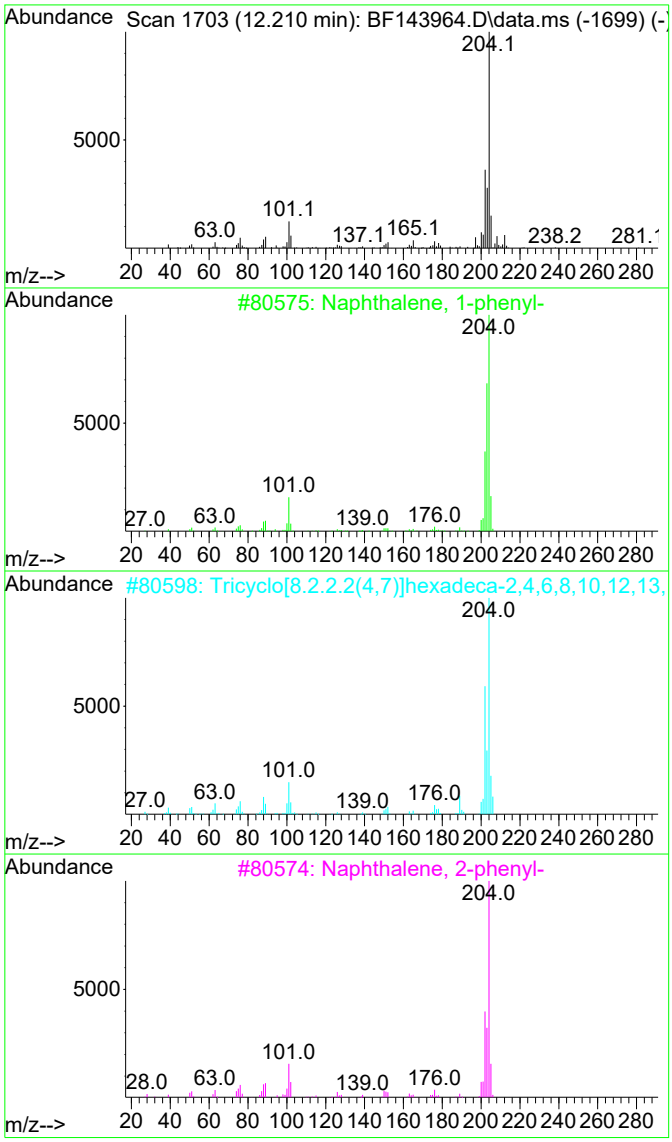
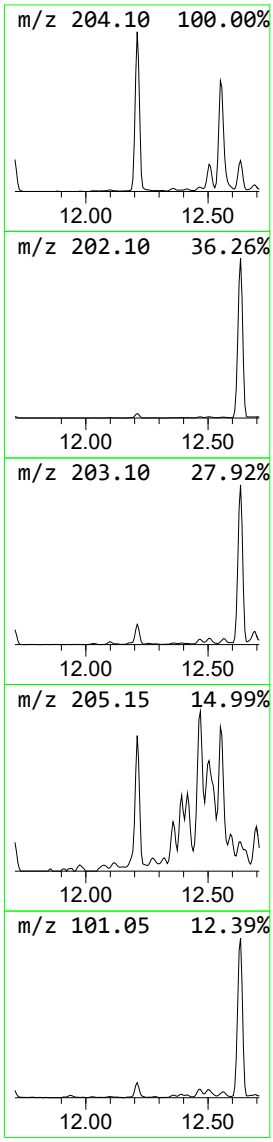
Peak Number 7 Naphthalene, 1-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.210	4.35 ng	237731	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	91
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	90
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
4	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	86
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	50





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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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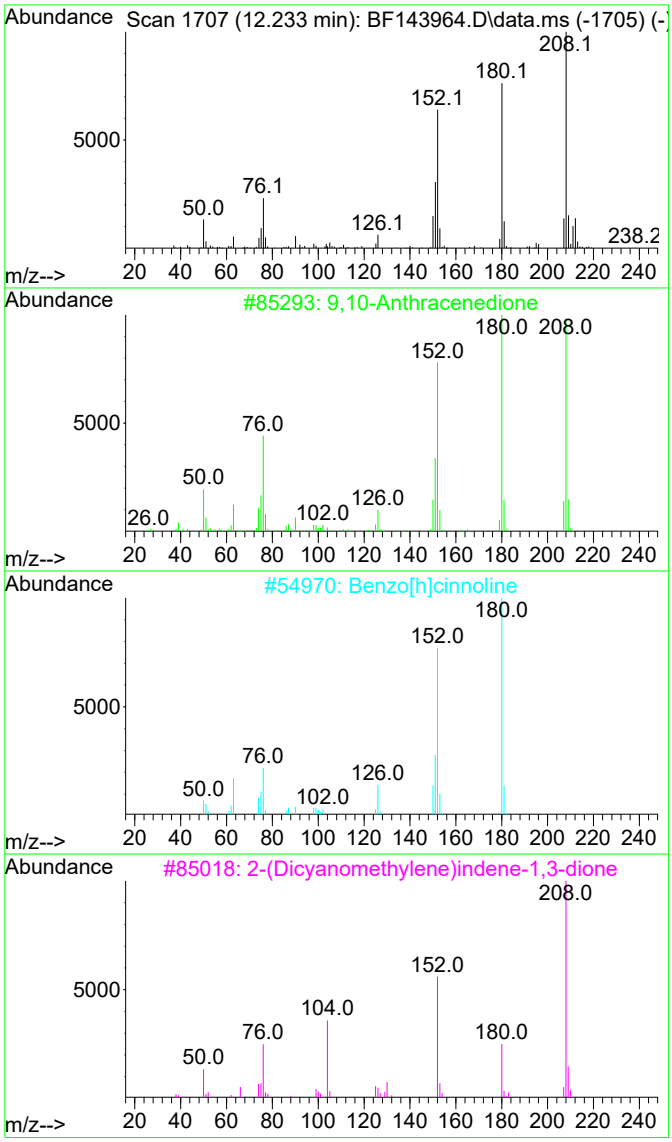
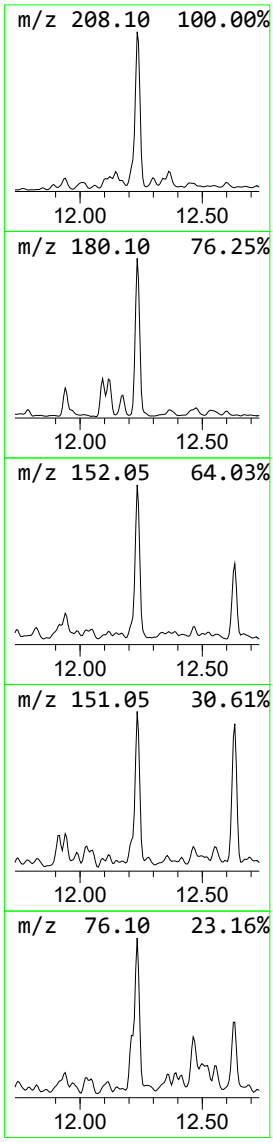
Peak Number 8 9,10-Anthracenedione Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.233	3.21 ng	175565	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	55
3	2-(Dicyanomethylene)indene-1,3-d...	208	C12H4N2O2	016954-74-8	53
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	49
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	49





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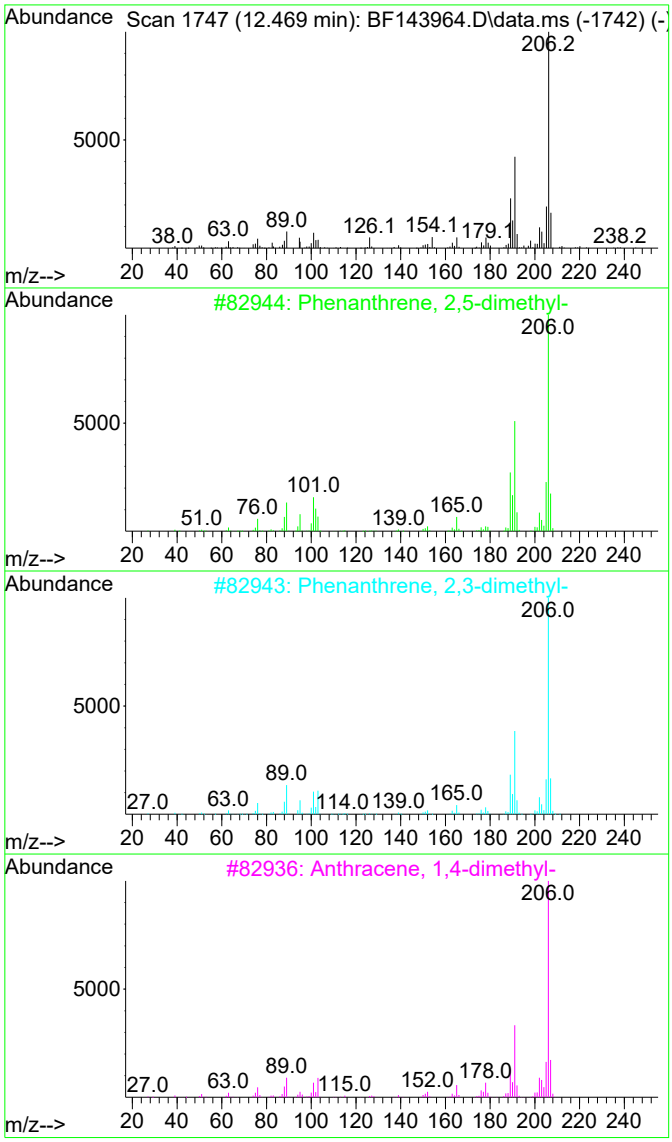
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

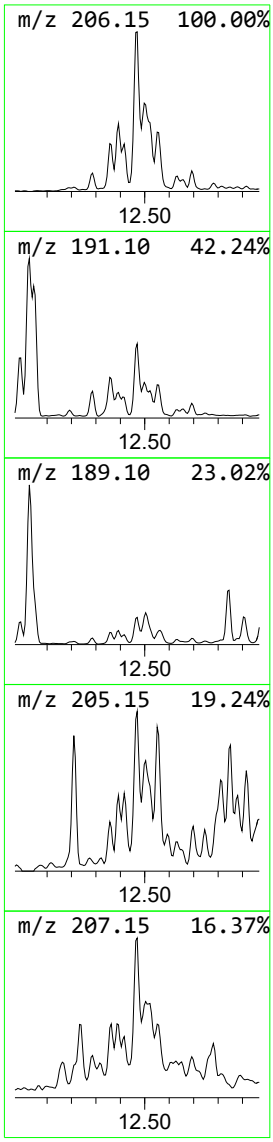
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.469	5.51 ng	301097	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90





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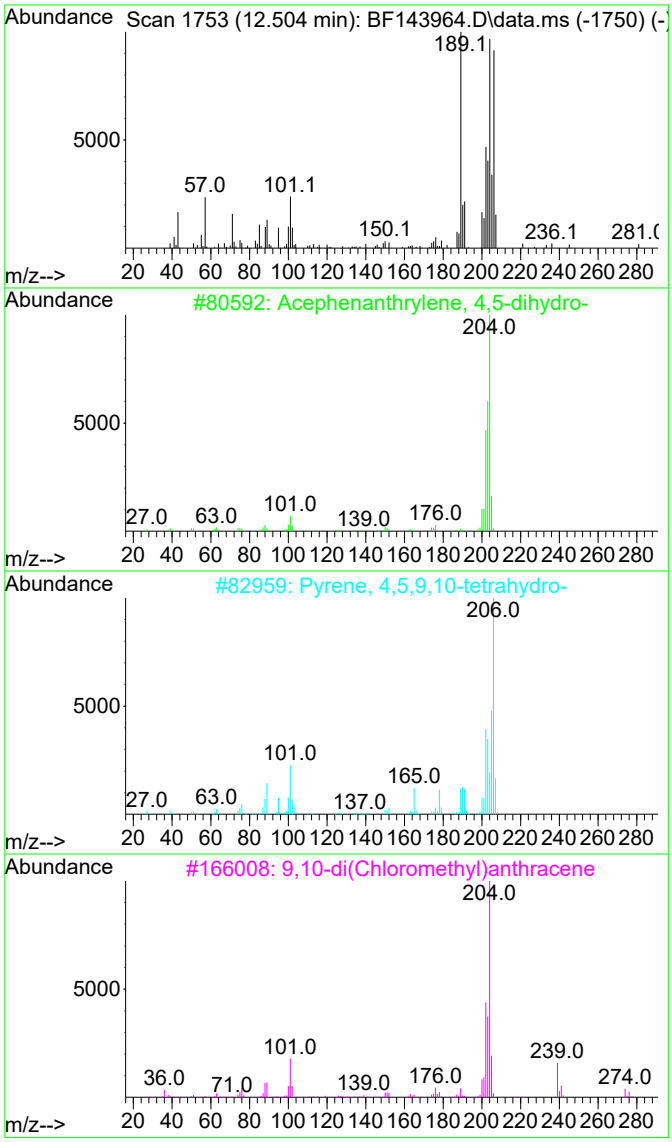
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

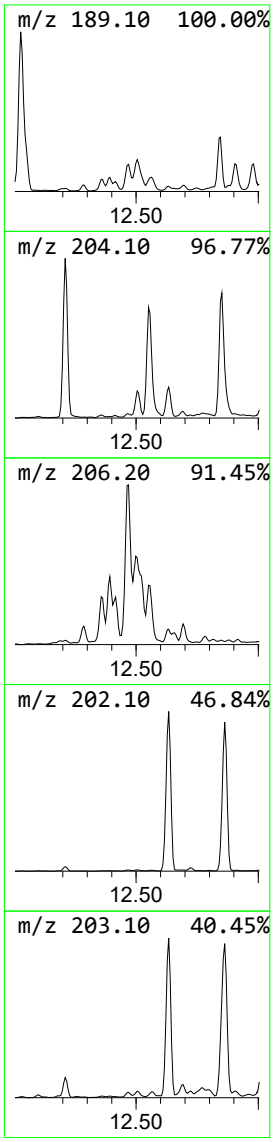
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Acephenanthrylene, 4,5-dihy... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.504	4.14 ng	226321	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	38
2	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
3	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	38
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	30
5	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	25





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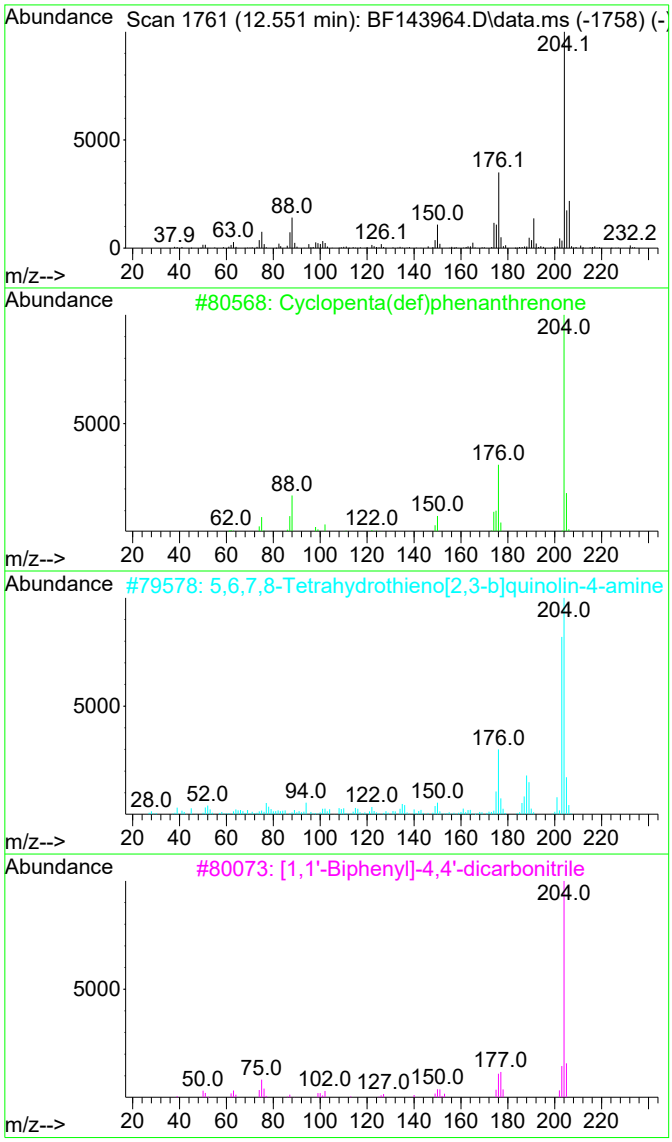
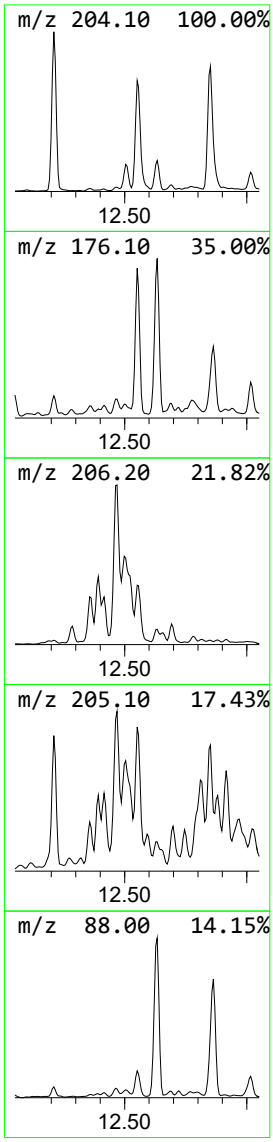
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.551	4.58 ng	250310	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	89
2	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	53
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43
5	1,2,4-Triazolo[2,3-c]thieno[3,2-...	204	C9H8N4S	113246-88-1	40





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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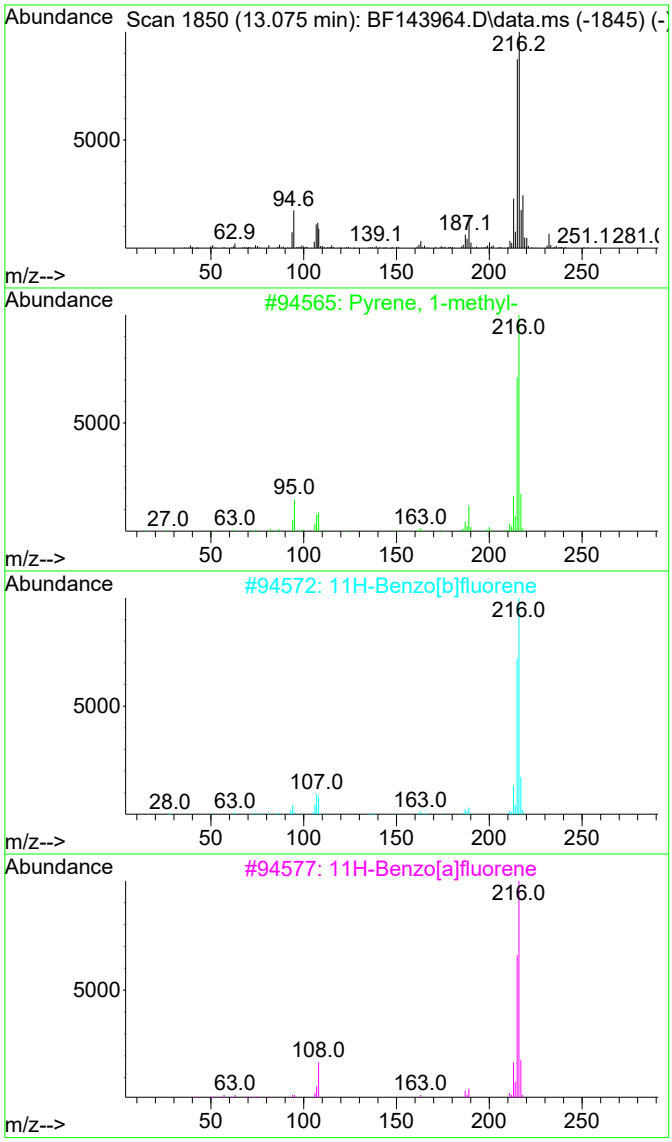
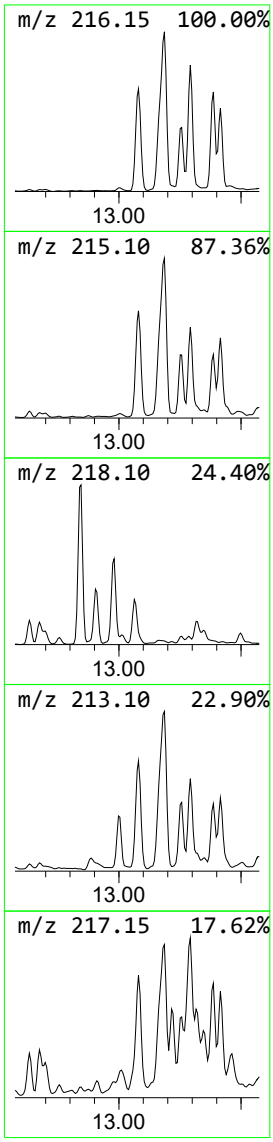
Peak Number 12 Pyrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.075	3.54 ng	439035	Chrysene-d12	14.063

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	70
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	64
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	62





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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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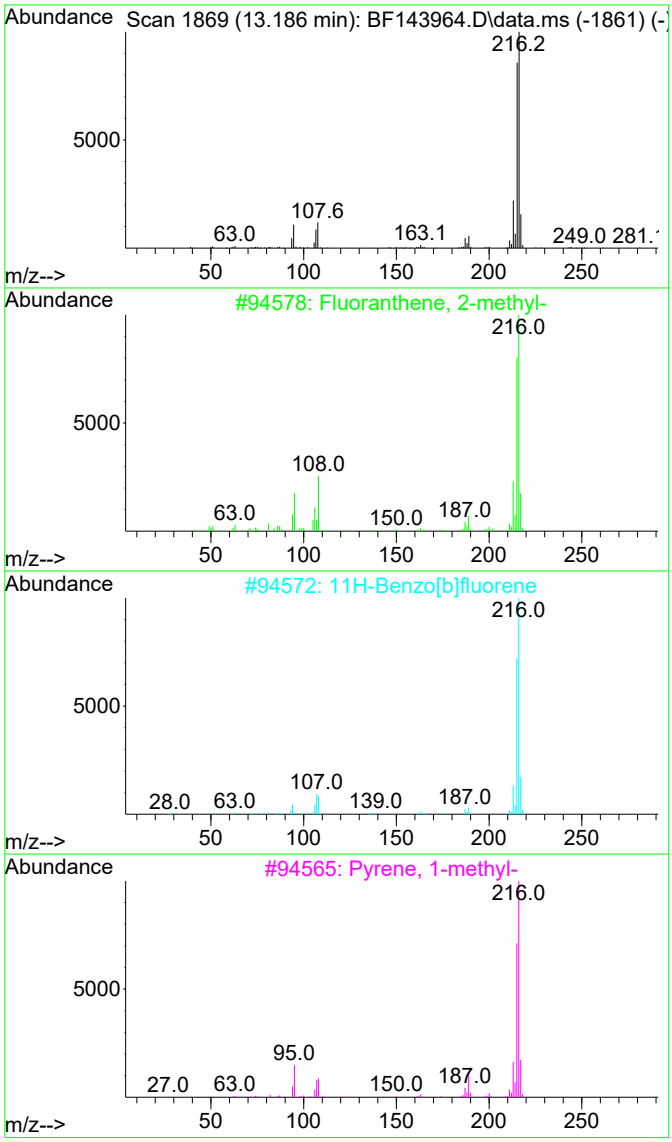
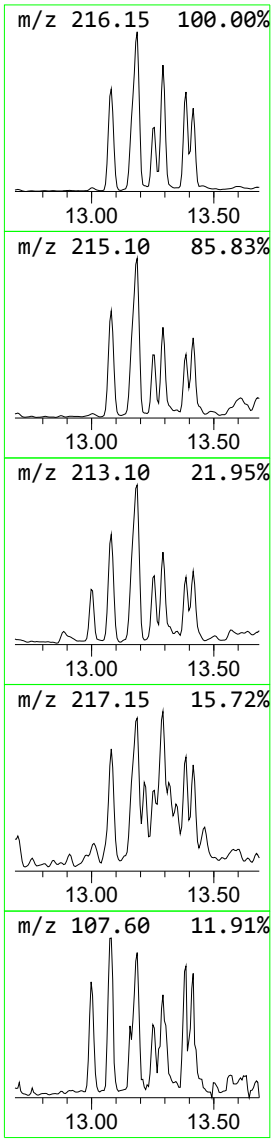
Peak Number 13 Fluoranthene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.186	4.20 ng	520838	Chrysene-d12	14.063

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	trans-p-(Trifluoromethyl)cinnami...	216	C10H7F3O2	016642-92-5	59





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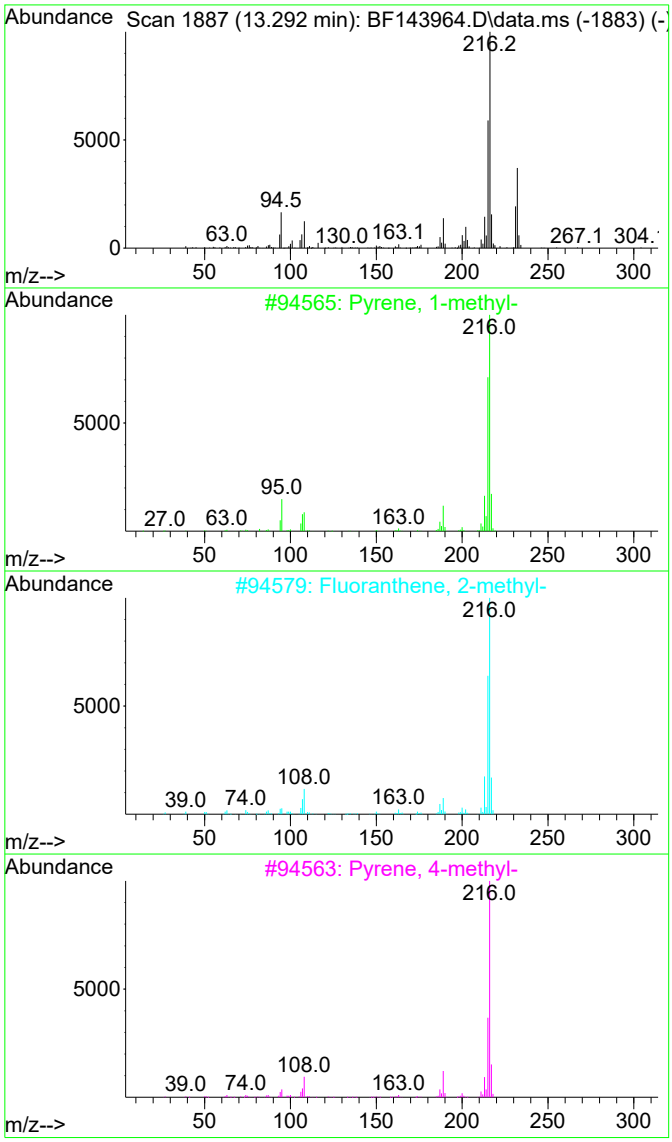
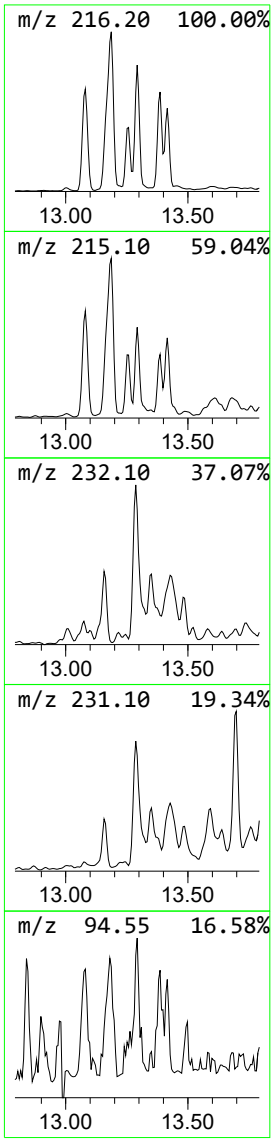
Peak Number 14 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.292	3.04 ng	376402	Chrysene-d12	14.063

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	92
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	91
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64





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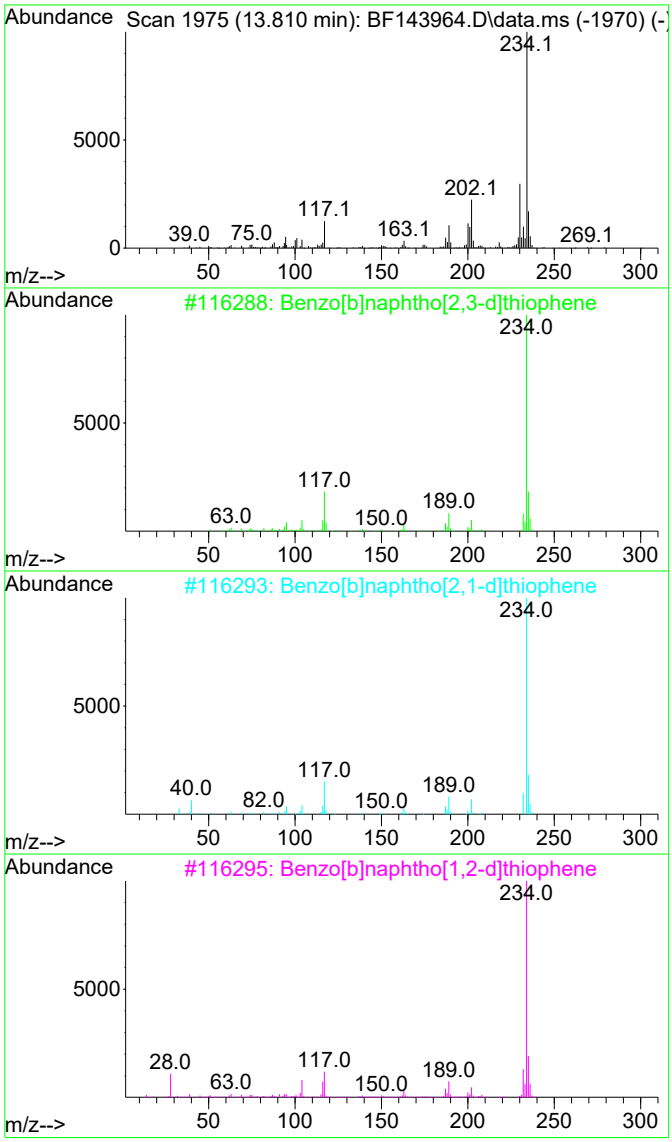
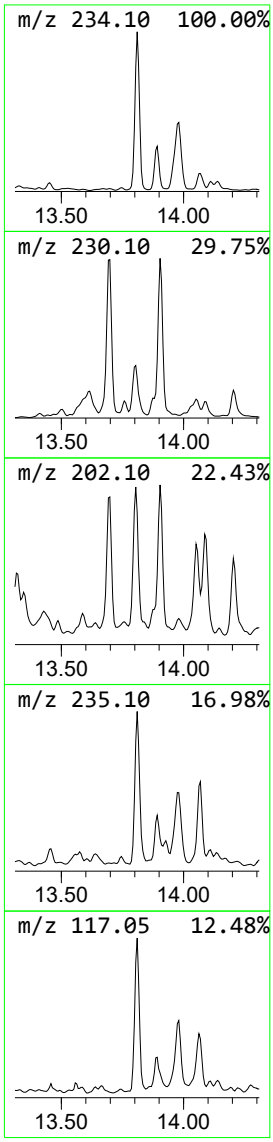
****
Peak Number 15 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.810	2.73 ng	338889	Chrysene-d12	14.063

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	86
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	83
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	60
4	Phenanthro(2,1-b)thiophene	234	C16H10S	000219-25-0	53
5	pyrido[1',2':1,2]imidazo[4,5-b]q...	234	C14H10N4	1000401-06-3	43





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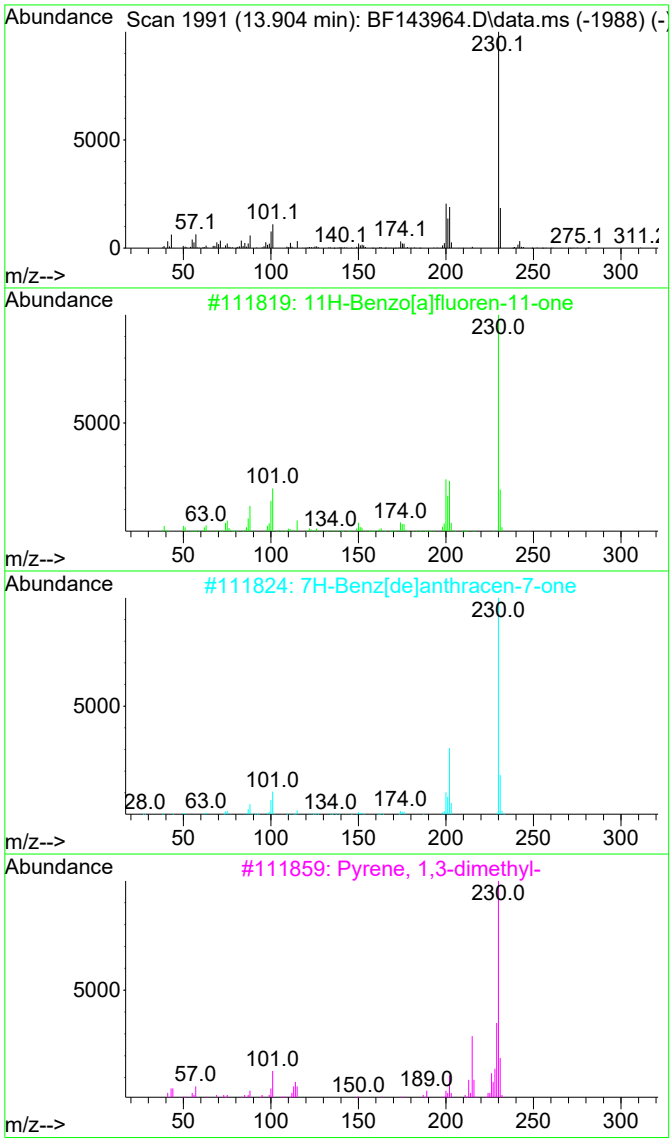
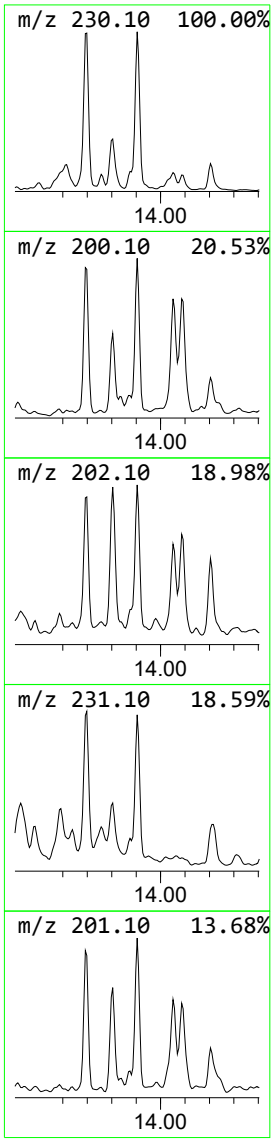
Peak Number 16 11H-Benzo[a]fluoren-11-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.904	3.19 ng	395395	Chrysene-d12	14.063

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	94
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
3	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	64
4	o-Terphenyl	230	C18H14	000084-15-1	64
5	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	56





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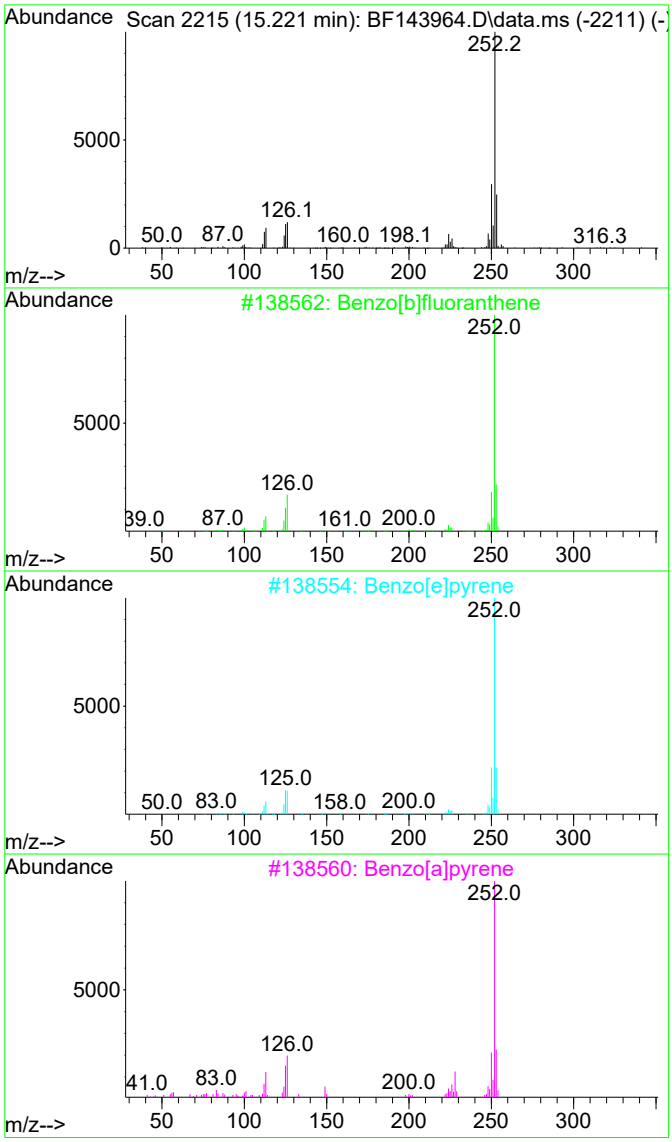
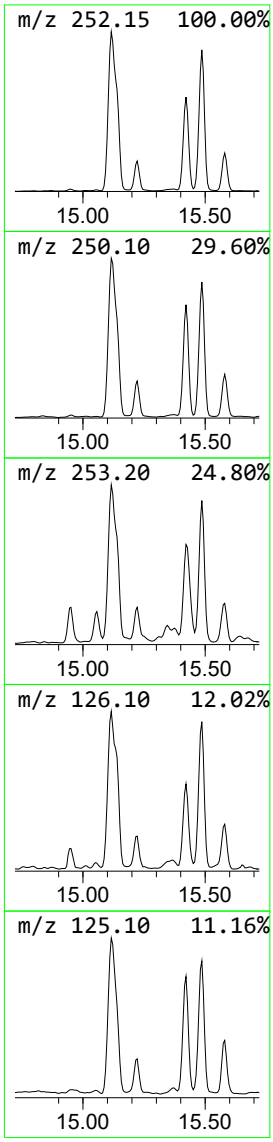
Peak Number 17 Benzo[b]fluoranthene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.221	5.73 ng	237618	Perylene-d12	15.551

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
2	Benzo[e]pyrene	252	C20H12	000192-97-2	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	91
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	81





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Data File : BF143964.D
Acq On : 15 Oct 2025 20:52
Operator : RC/JU
Sample : Q3345-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TANK-FARM-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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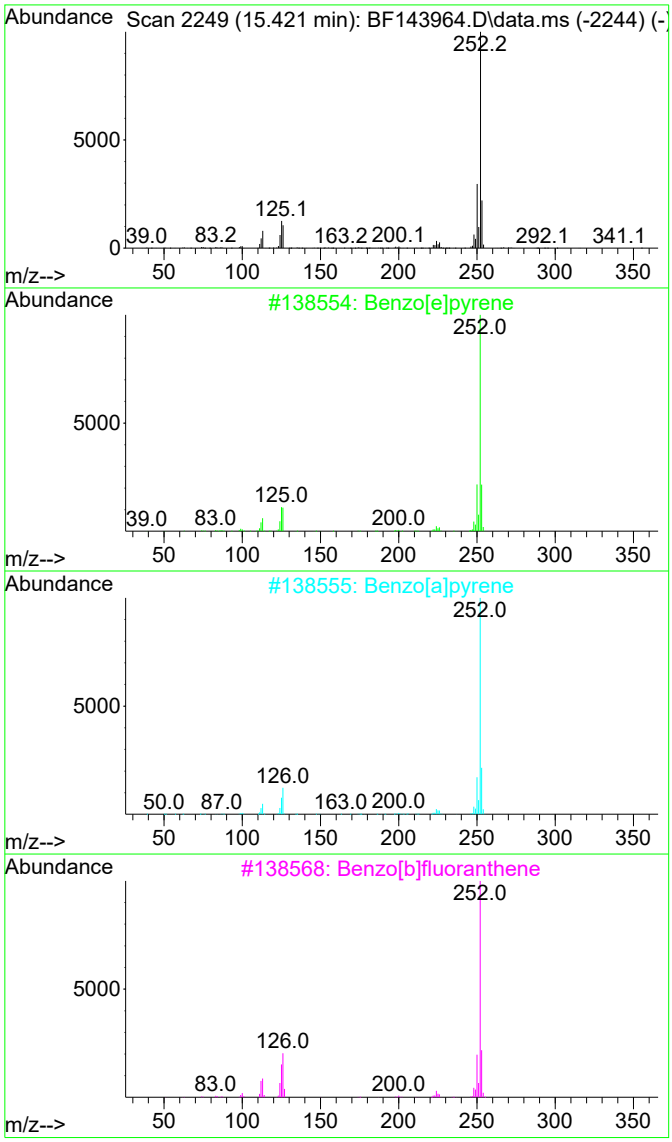
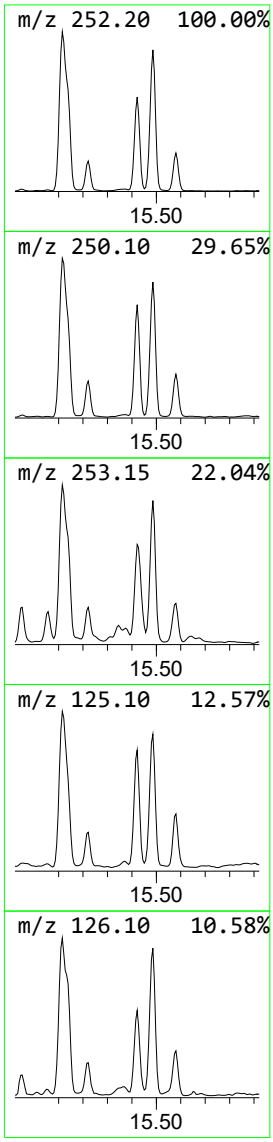
Peak Number 18 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.421	21.71 ng	900566	Perylene-d12	15.551

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	93
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	90
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90
5	Perylene	252	C20H12	000198-55-0	89





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Data File : BF143964.D
Acq On : 15 Oct 2025 20:52
Operator : RC/JU
Sample : Q3345-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TANK-FARM-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.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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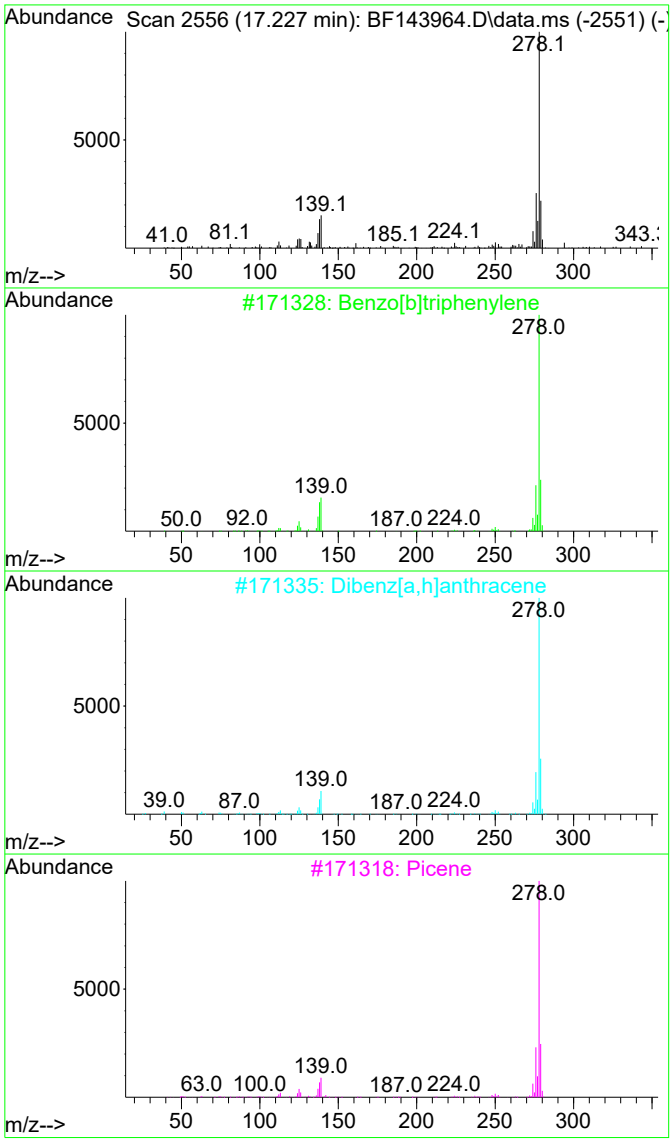
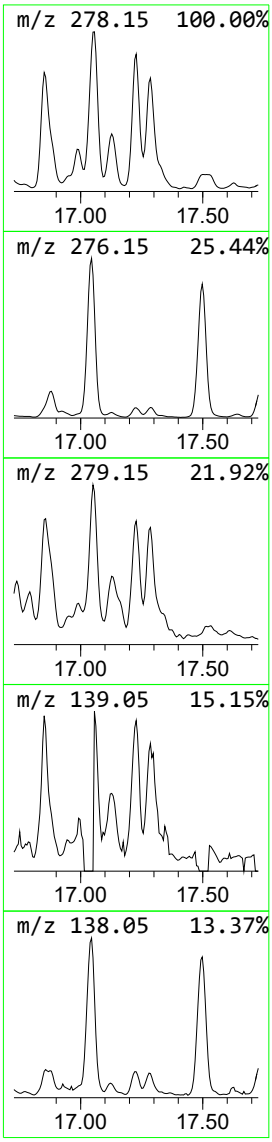
Peak Number 19 Benzo[b]triphenylene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.227	3.08 ng	127607	Perylene-d12	15.551

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	97
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	96
3	Picene	278	C22H14	000213-46-7	96
4	Benzo[b]chrysene	278	C22H14	000214-17-5	94
5	Pentacene	278	C22H14	000135-48-8	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101525\
Data File : BF143964.D
Acq On : 15 Oct 2025 20:52
Operator : RC/JU
Sample : Q3345-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TANK-FARM-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.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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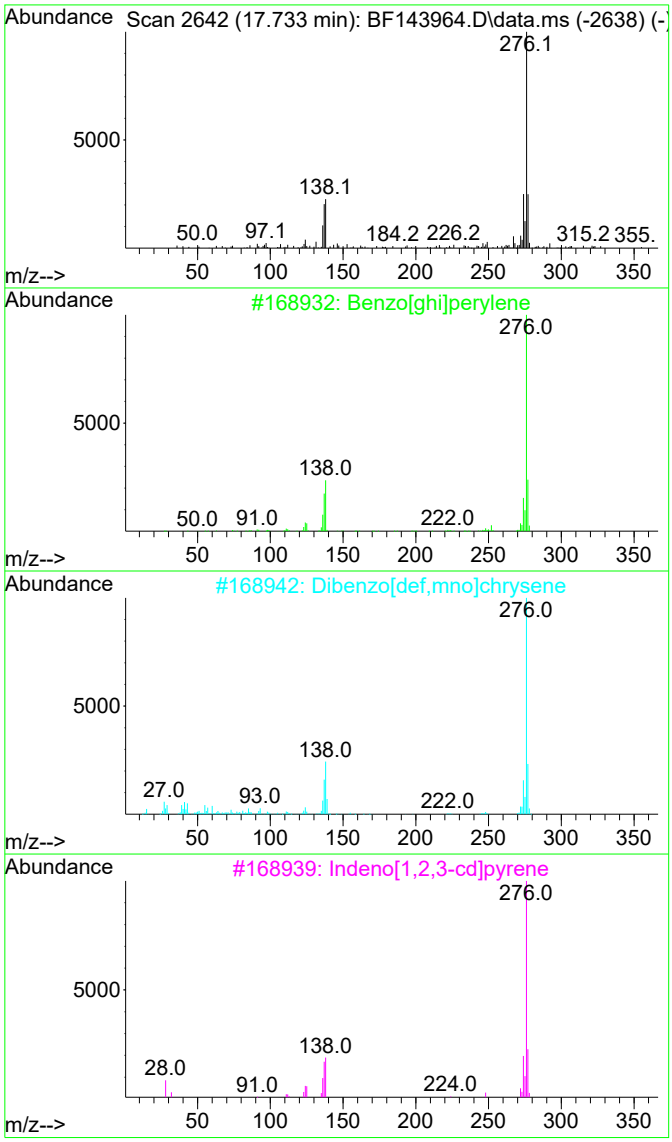
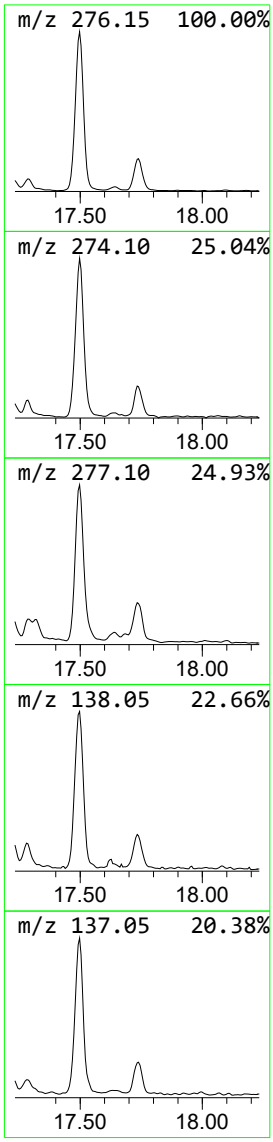
Peak Number 20 Benzo[ghi]perylene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.733	4.44 ng	184080	Perylene-d12	15.551

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]perylene	276	C22H12	000191-24-2	95
2	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	94
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	87
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	74
5	Phenol, 2-(4-chlorophenyliminome...	276	C13H9ClN2O3	1000262-90-3	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101525\
Data File : BF143964.D
Acq On : 15 Oct 2025 20:52
Operator : RC/JU
Sample : Q3345-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TANK-FARM-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.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
Benzophenone	10.634	9.7	ng	573311	3	9.922	1183470	20.0
Dibenzothiophene	11.304	2.8	ng	152862	4	11.410	1092540	20.0
Phenanthrene, 2...	11.916	8.2	ng	446028	4	11.410	1092540	20.0
Phenanthrene, 2...	11.939	10.7	ng	585742	4	11.410	1092540	20.0
Phenanthrene, 2...	11.986	3.1	ng	171085	4	11.410	1092540	20.0
4H-Cyclopenta[d...	12.028	16.4	ng	893205	4	11.410	1092540	20.0
Naphthalene, 1-...	12.210	4.4	ng	237731	4	11.410	1092540	20.0
9,10-Anthracene...	12.233	3.2	ng	175565	4	11.410	1092540	20.0
Phenanthrene, 2...	12.469	5.5	ng	301097	4	11.410	1092540	20.0
Acephenanthryle...	12.504	4.1	ng	226321	4	11.410	1092540	20.0
Cyclopenta(def)...	12.551	4.6	ng	250310	4	11.410	1092540	20.0
Pyrene, 1-methyl-	13.075	3.5	ng	439035	5	14.063	2480020	20.0
Fluoranthene, 2...	13.186	4.2	ng	520838	5	14.063	2480020	20.0
Pyrene, 1-methyl-	13.292	3.0	ng	376402	5	14.063	2480020	20.0
Benzo[b]naphtho...	13.810	2.7	ng	338889	5	14.063	2480020	20.0
11H-Benzo[a]flu...	13.904	3.2	ng	395395	5	14.063	2480020	20.0
Benzo[b]fluoran...	15.221	5.7	ng	237618	6	15.551	829584	20.0
Benzo[e]pyrene	15.421	21.7	ng	900566	6	15.551	829584	20.0
Benzo[b]triphen...	17.227	3.1	ng	127607	6	15.551	829584	20.0
Benzo[ghi]perylene	17.733	4.4	ng	184080	6	15.551	829584	20.0