LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011725\
Data File : BF141204.D
Acq On : 17 Jan 2025 20:18
Operator : RC/JU
Sample : Q1115-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : VNJ-213

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-BF011025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141204.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.193	11	17	26	rVB	68939	108213	2.84%	0.200%
2	5.022	488	498	506	rVB	187507	306087	8.03%	0.566%
3	5.428	558	567	572	rBV	2346504	3237604	84.92%	5.985%
4	6.434	732	738	744	rBV	2290433	3329805	87.34%	6.156%
5	6.810	796	802	809	rBV	1007110	1259197	33.03%	2.328%
6	7.087	841	849	856	rBV2	33781	74052	1.94%	0.137%
7	7.151	856	860	864	rBV	42138	55871	1.47%	0.103%
8	7.251	873	877	884	rVB2	32265	59344	1.56%	0.110%
9	7.369	891	897	902	rBV	1660597	2201408	57.74%	4.070%
10	7.563	927	930	935	rVB2	33707	47770	1.25%	0.088%
11	7.628	935	941	946	rBV	95087	123306	3.23%	0.228%
12	8.092	1013	1020	1029	rBV2	1314727	1972745	51.74%	3.647%
13	8.310	1051	1057	1063	rBV	39499	55888	1.47%	0.103%
14	8.798	1135	1140	1146	rBV	124318	155932	4.09%	0.288%
15	8.898	1152	1157	1162	rBV	110744	140103	3.67%	0.259%
16	9.163	1196	1202	1207	rBV	2984967	3812596	100.00%	7.048%
17	9.263	1212	1219	1224	rVB	37953	56329	1.48%	0.104%
18	9.428	1242	1247	1252	rVB	58357	86799	2.28%	0.160%
19	9.498	1255	1259	1262	rBV	99350	141561	3.71%	0.262%
20	9.557	1266	1269	1274	rVV	350106	421182	11.05%	0.779%
21	9.616	1275	1279	1288	rVV	49085	90211	2.37%	0.167%
22	9.704	1288	1294	1298	rVB	75960	99772	2.62%	0.184%
23	9.839	1309	1317	1321	rBV	1418736	1934816	50.75%	3.577%
24	9.875	1321	1323	1327	rVV	267005	292332	7.67%	0.540%
25	9.945	1331	1335	1339	rVV	28997	46654	1.22%	0.086%
26	9.998	1339	1344	1347	rVV2	29886	48483	1.27%	0.090%
27	10.045	1347	1352	1356	rVV	242536	318383	8.35%	0.589%
28	10.081	1356	1358	1366	rVB	42633	54484	1.43%	0.101%
29	10.157	1366	1371	1374	rBV2	43645	63859	1.67%	0.118%
30	10.251	1381	1387	1393	rBV	492229	643781	16.89%	1.190%
31	10.386	1405	1410	1416	rVB	292139	371192	9.74%	0.686%
32	10.451	1416	1421	1423	rBV	46916	81292	2.13%	0.150%
33	10.557	1433	1439	1445	rVB3	332739	531170	13.93%	0.982%
34	10.628	1445	1451	1457	rBV	1996320	2618063	68.67%	4.840%
35	10.751	1463	1472	1478	rBV3	52133	84058	2.20%	0.155%
36	10.863	1487	1491	1496	rVB	31566	43556	1.14%	0.081%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011725\
Data File : BF141204.D
Acq On : 17 Jan 2025 20:18
Operator : RC/JU
Sample : Q1115-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-213

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-BF011025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	10.933	1496	1503	1506	rVV3	92407	177520	4.66%	0.328%
38	10.963	1506	1508	1511	rVV2	54253	66259	1.74%	0.122%
39	11.016	1515	1517	1521	rVV	32569	44257	1.16%	0.082%
40	11.086	1521	1529	1533	rVV3	56292	151343	3.97%	0.280%
41	11.133	1533	1537	1541	rVV	165485	220706	5.79%	0.408%
42	11.186	1541	1546	1549	rVV2	89905	161449	4.23%	0.298%
43	11.222	1549	1552	1559	rVB	159894	224559	5.89%	0.415%
44	11.333	1565	1571	1572	rBV	1292800	1740891	45.66%	3.218%
45	11.357	1572	1575	1579	rVV	2547760	3170459	83.16%	5.861%
46	11.404	1579	1583	1587	rVV	507059	666020	17.47%	1.231%
47	11.433	1587	1588	1592	rVB2	55047	54447	1.43%	0.101%
48	11.557	1603	1609	1616	rBV	220002	334184	8.77%	0.618%
49	11.627	1617	1621	1623	rVV	63793	84963	2.23%	0.157%
50	11.657	1623	1626	1632	rVB3	85465	121861	3.20%	0.225%
51	11.739	1637	1640	1644	rVB	46107	61731	1.62%	0.114%
52	11.833	1650	1656	1657	rBV	332575	423615	11.11%	0.783%
53	11.857	1657	1660	1665	rVV	859191	1113845	29.21%	2.059%
54	11.904	1665	1668	1671	rVV	125376	170174	4.46%	0.315%
55	11.939	1671	1674	1682	rVB2	448907	872202	22.88%	1.612%
56	12.033	1683	1690	1693	rBV5	43399	87390	2.29%	0.162%
57	12.127	1701	1706	1716	rVB2	219829	495682	13.00%	0.916%
58	12.274	1725	1731	1734	rBV2	84045	137944	3.62%	0.255%
59	12.304	1734	1736	1738	rBV	46429	45079	1.18%	0.083%
60	12.380	1744	1749	1752	rBV	202208	283097	7.43%	0.523%
61	12.416	1752	1755	1760	rVV2	109934	181540	4.76%	0.336%
62	12.463	1760	1763	1769	rVB4	113291	154341	4.05%	0.285%
63	12.545	1771	1777	1781	rBV	1874848	2502230	65.63%	4.626%
64	12.598	1781	1786	1790	rVB4	32161	61317	1.61%	0.113%
65	12.639	1790	1793	1796	rBV2	65910	87701	2.30%	0.162%
66	12.769	1808	1815	1821	rBV	1618365	2446571	64.17%	4.523%
67	12.822	1821	1824	1829	rVB2	98032	145599	3.82%	0.269%
68	12.916	1831	1840	1847	rVB	2067863	2764670	72.51%	5.111%
69	12.986	1847	1852	1860	rBV5	154070	322543	8.46%	0.596%
70	13.092	1863	1870	1875	rVB3	195361	396439	10.40%	0.733%
71	13.163	1878	1882	1885	rBV	94731	121724	3.19%	0.225%
72	13.198	1885	1888	1896	rVB2	172676	272685	7.15%	0.504%
73	13.292	1901	1904	1907	rVV	81725	95034	2.49%	0.176%
74	13.321	1907	1909	1913	rVB	86343	98961	2.60%	0.183%
75	13.463	1929	1933	1936	rBV2	68887	108866	2.86%	0.201%
76	13.604	1953	1957	1963	rVB	153071	219195	5.75%	0.405%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011725\
Data File : BF141204.D
Acq On : 17 Jan 2025 20:18
Operator : RC/JU
Sample : Q1115-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-213

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-BF011025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.716	1971	1976	1979	rBV2	148161	259068	6.80%	0.479%
78	13.745	1979	1981	1983	rVV	54584	57925	1.52%	0.107%
79	13.810	1989	1992	2000	rVB2	258342	412893	10.83%	0.763%
80	13.963	2012	2018	2022	rBV2	1363372	2448310	64.22%	4.526%
81	14.357	2081	2085	2088	rVV	124465	153613	4.03%	0.284%
82	14.386	2088	2090	2094	rVB	75704	89442	2.35%	0.165%
83	14.445	2098	2100	2103	rVV2	81265	103091	2.70%	0.191%
84	14.480	2104	2106	2114	rVB4	85263	165926	4.35%	0.307%
85	14.663	2133	2137	2139	rBV2	65653	105047	2.76%	0.194%
86	15.004	2189	2195	2205	rBV	621547	1399236	36.70%	2.587%
87	15.110	2210	2213	2218	rVB	96892	131004	3.44%	0.242%
88	15.298	2241	2245	2251	rVB	311388	474147	12.44%	0.877%
89	15.363	2251	2256	2261	rVB	450797	665499	17.46%	1.230%
90	15.421	2261	2266	2271	rBV	695346	1150425	30.17%	2.127%
91	16.857	2504	2510	2520	rVB2	159722	375042	9.84%	0.693%
92	17.286	2578	2583	2598	rVB	113854	245486	6.44%	0.454%

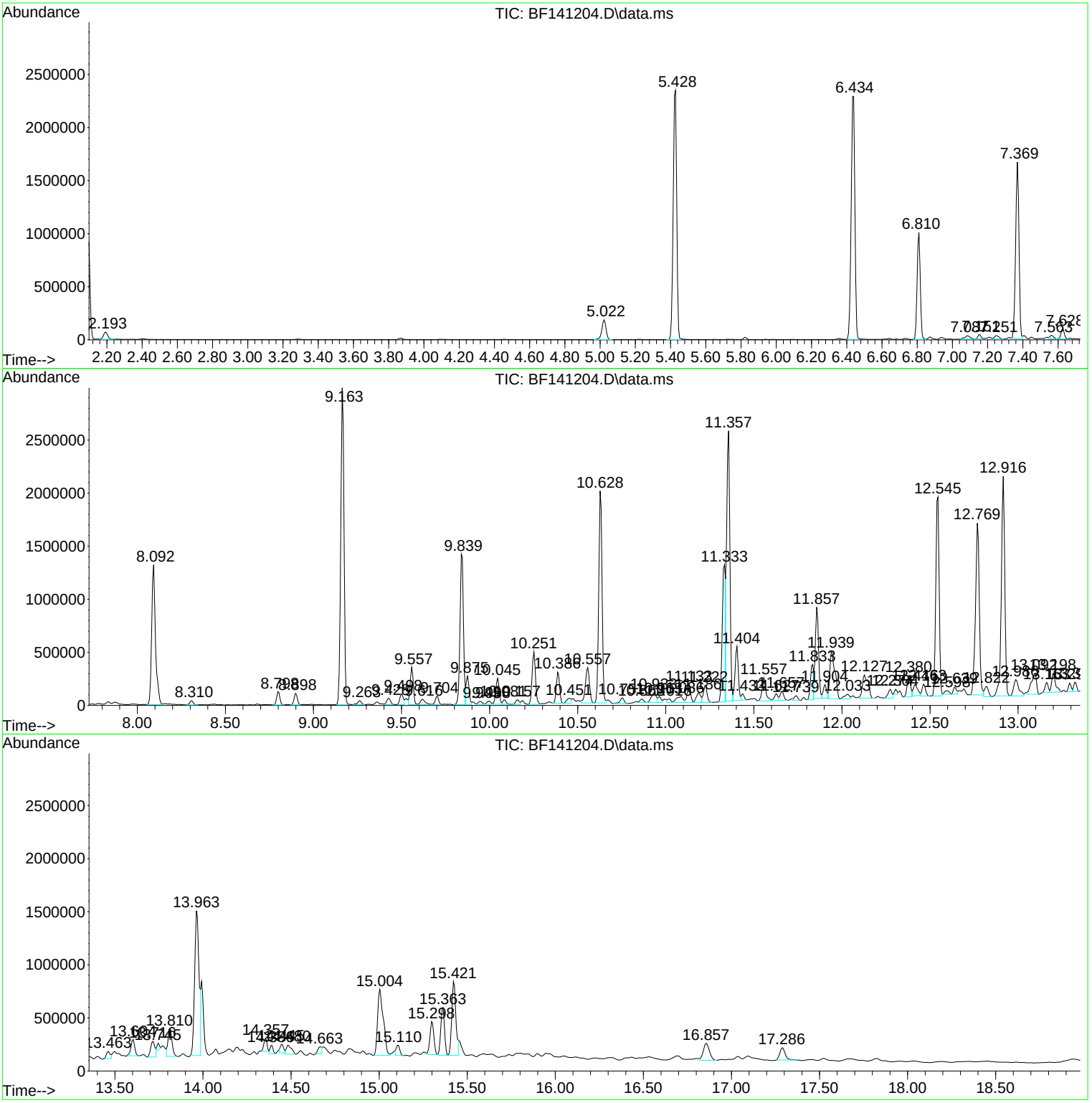
Sum of corrected areas: 54093145

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011725\
Data File : BF141204.D
Acq On : 17 Jan 2025 20:18
Operator : RC/JU
Sample : Q1115-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-213

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.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\BF011725\
Data File : BF141204.D
Acq On : 17 Jan 2025 20:18
Operator : RC/JU
Sample : Q1115-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-213

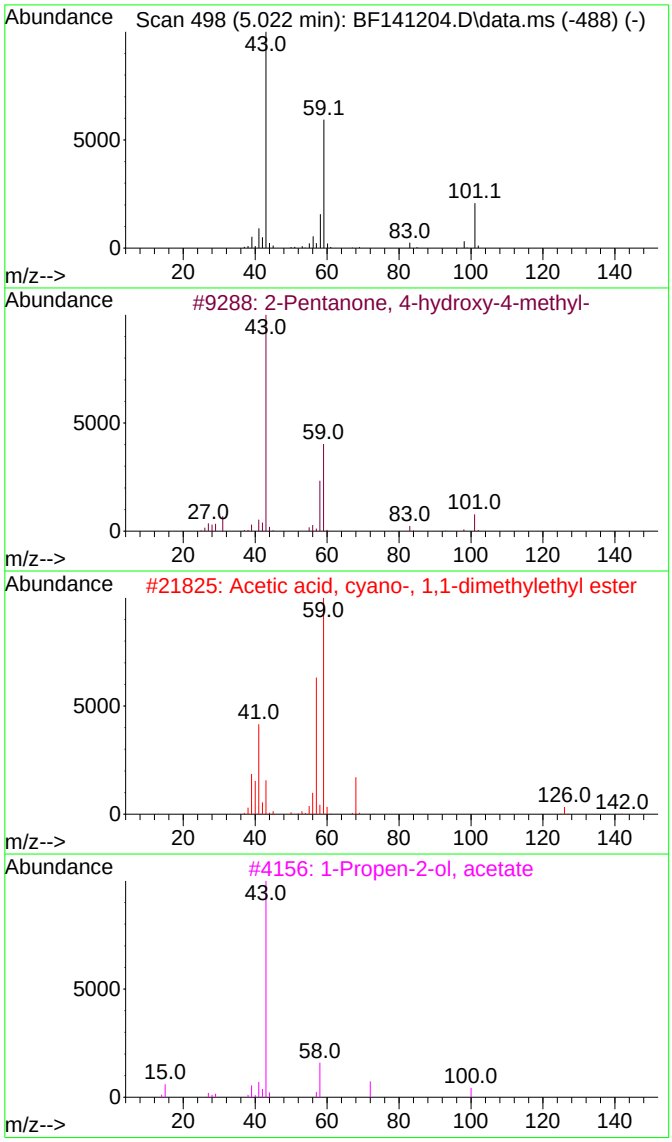
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

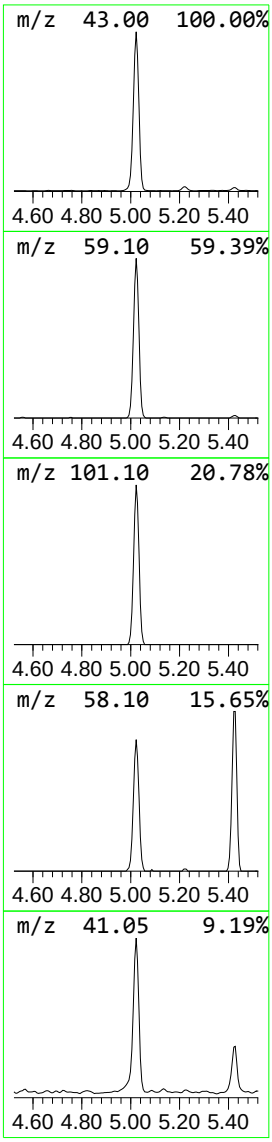
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.022	4.86 ng	306087	1,4-Dichlorobenzene-d4	6.810

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	40
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4	Acetone	58	C3H6O	000067-64-1	10
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011725\
Data File : BF141204.D
Acq On : 17 Jan 2025 20:18
Operator : RC/JU
Sample : Q1115-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-213

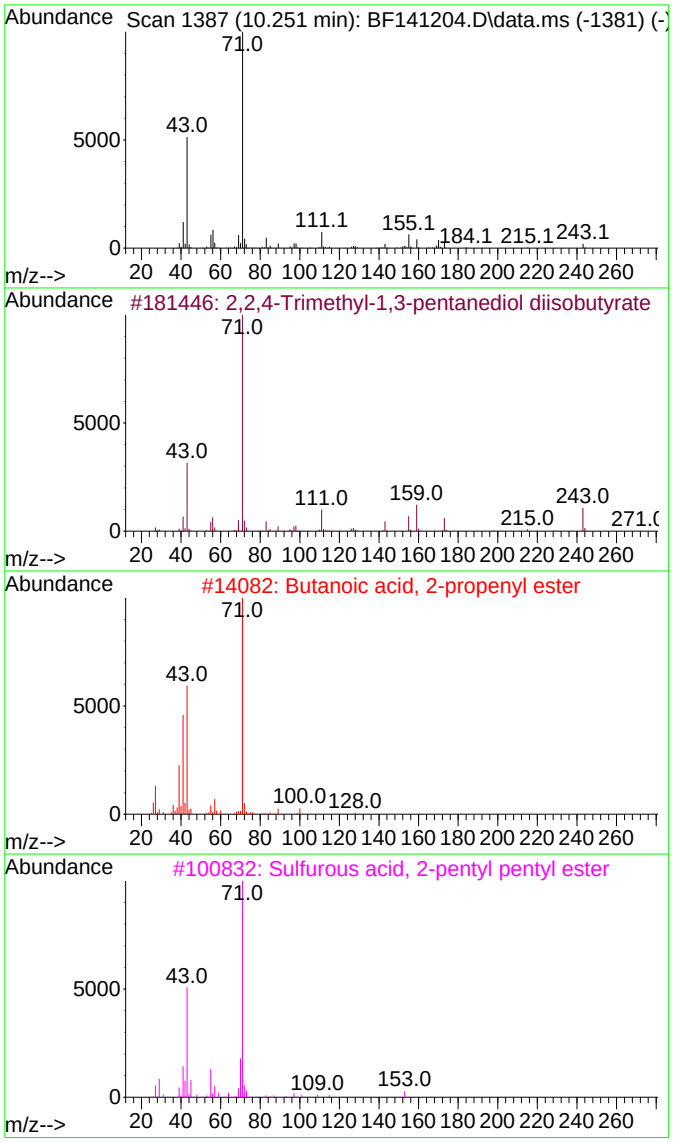
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

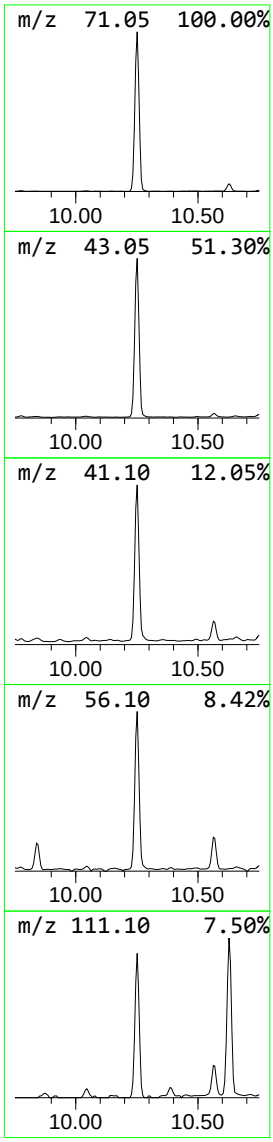
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2,2,4-Trimethyl-1,3-pentane... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.251	6.65 ng	643781	Acenaphthene-d10	9.839

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2,4-Trimethyl-1,3-pentanediol ...	286	C16H30O4	006846-50-0	78
2	Butanoic acid, 2-propenyl ester	128	C7H12O2	002051-78-7	53
3	Sulfurous acid, 2-pentyl pentyl ...	222	C10H22O3S	1000309-15-4	42
4	Diethylmalonic acid, monochlorid...	262	C12H19ClO4	1000370-65-0	42
5	Succinic acid, 2,2-dichloroethyl...	298	C11H16Cl2O5	1000390-71-6	42





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011725\
Data File : BF141204.D
Acq On : 17 Jan 2025 20:18
Operator : RC/JU
Sample : Q1115-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-213

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

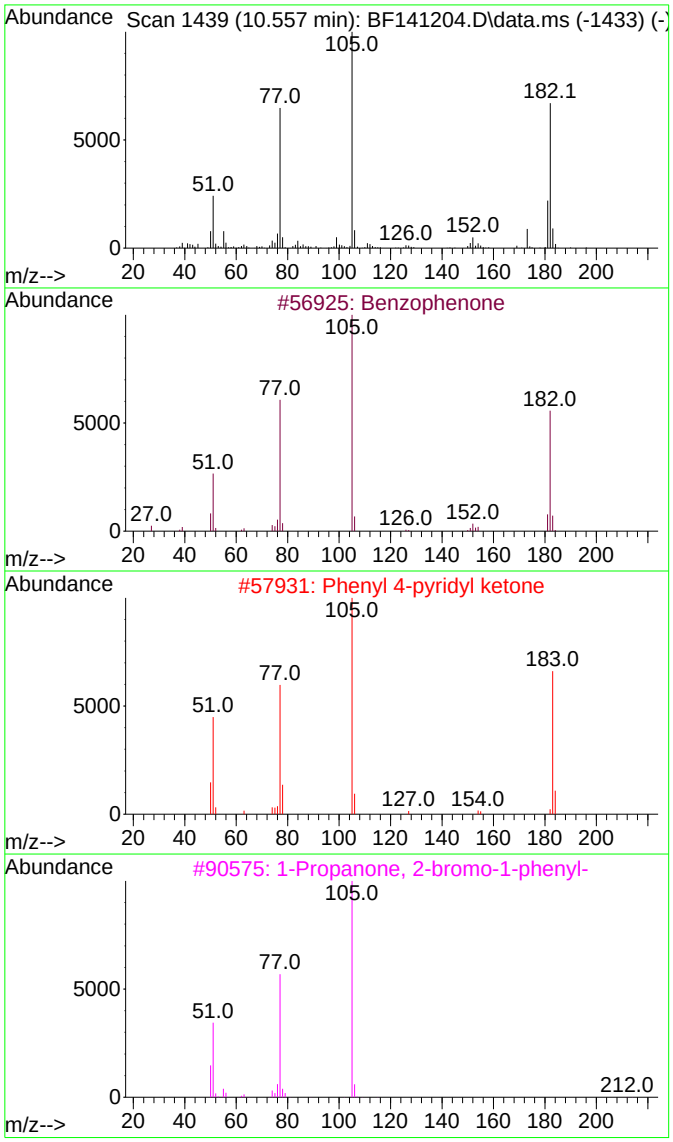
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

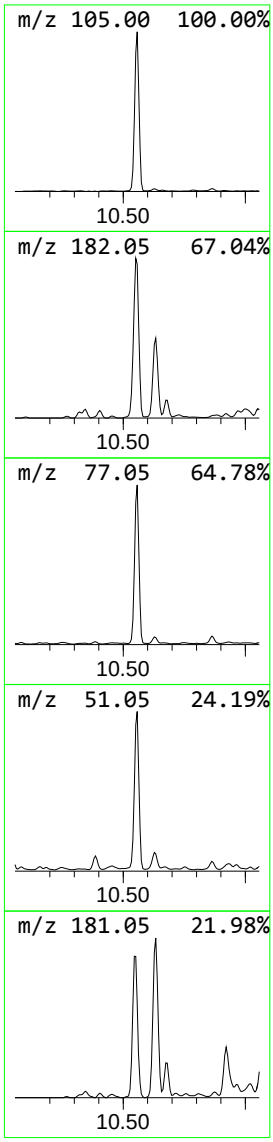
****

Peak Number 3 Benzophenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.557	5.49 ng	531170	Acenaphthene-d10	9.839

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	94
2	Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	49
3	1-Propanone, 2-bromo-1-phenyl-	212	C9H9BrO	002114-00-3	38
4	Benzoylformic acid	150	C8H6O3	000611-73-4	38
5	1,2-Propanedione, 1-phenyl-	148	C9H8O2	000579-07-7	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011725\
Data File : BF141204.D
Acq On : 17 Jan 2025 20:18
Operator : RC/JU
Sample : Q1115-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-213

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

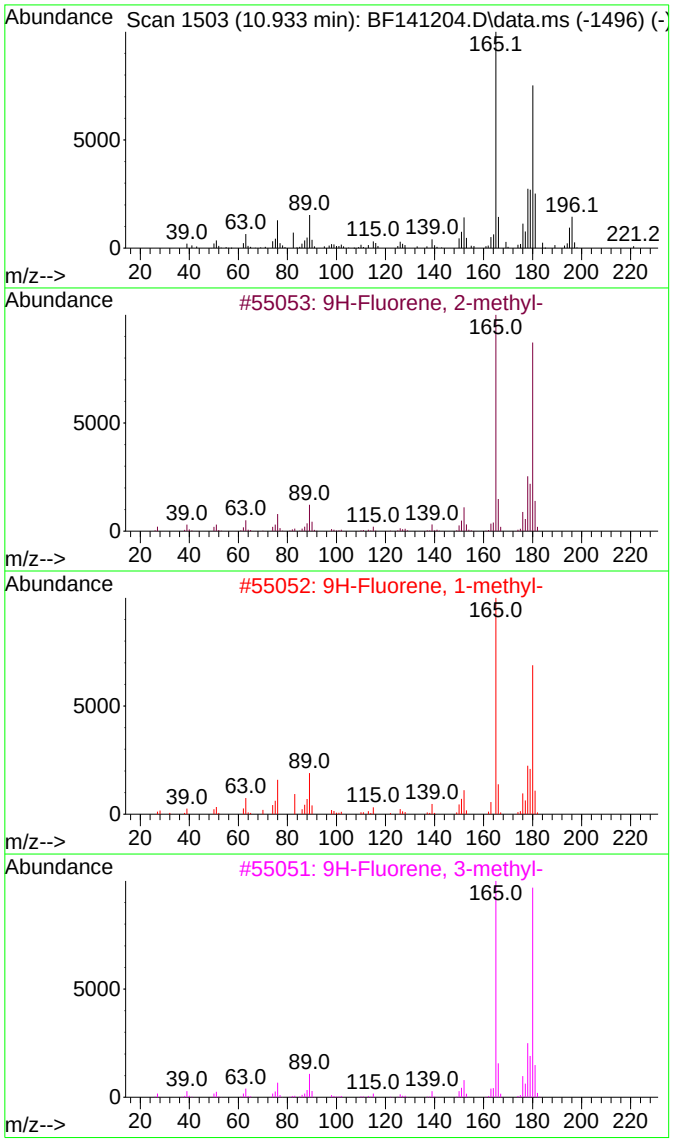
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

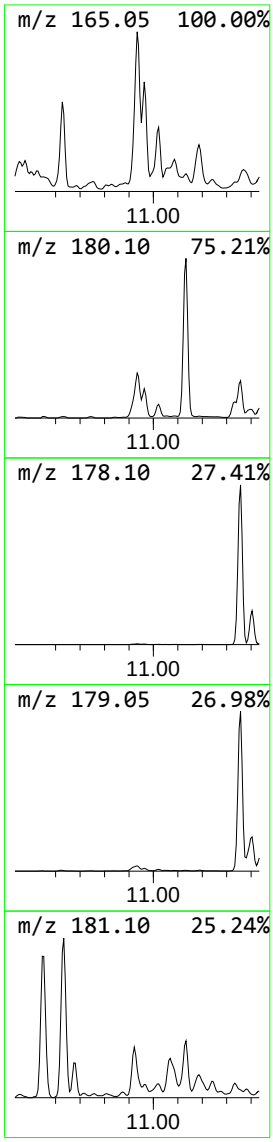
****

Peak Number 4 9H-Fluorene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.933	2.04 ng	177520	Phenanthrene-d10	11.328

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	76
4	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	76
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011725\
Data File : BF141204.D
Acq On : 17 Jan 2025 20:18
Operator : RC/JU
Sample : Q1115-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-213

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

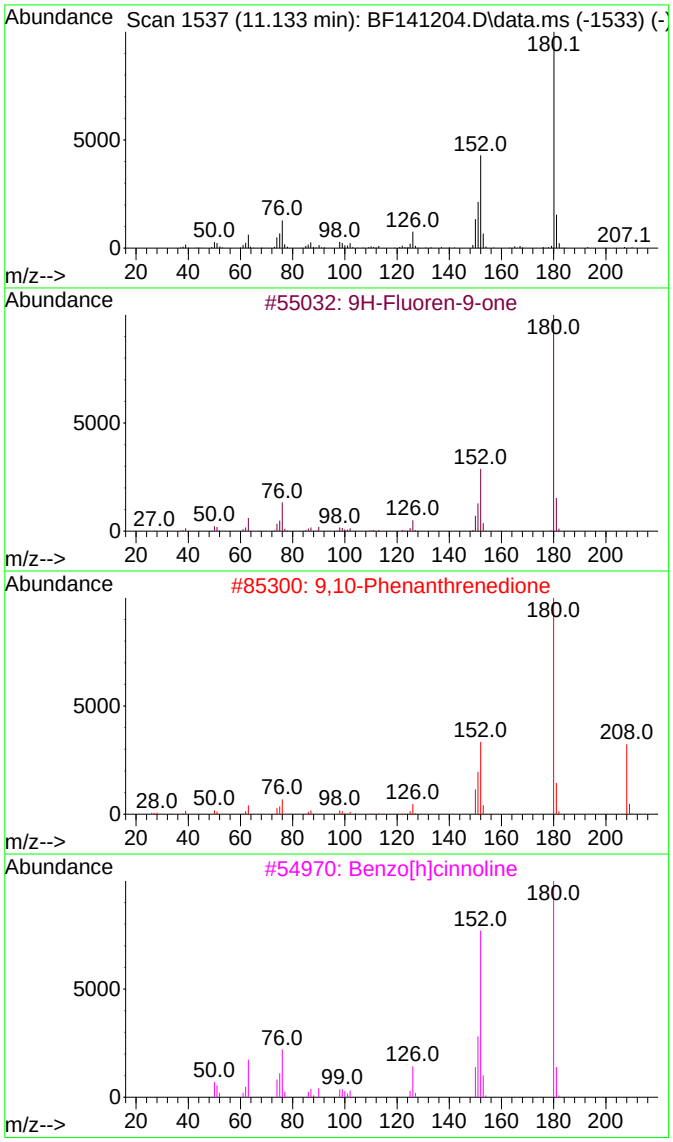
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

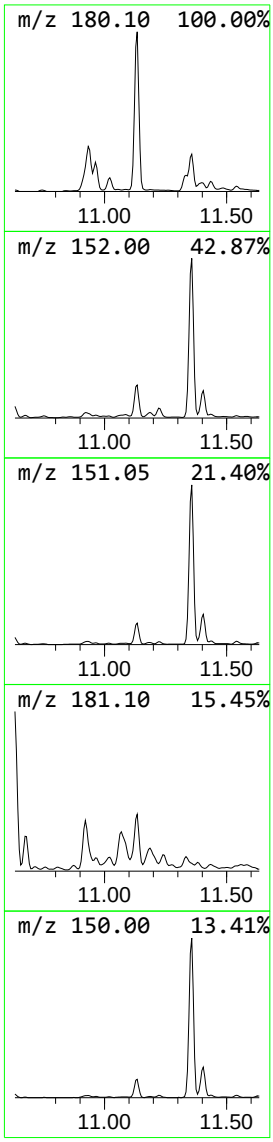
****

Peak Number 5 9H-Fluoren-9-one Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.133	2.54 ng	220706	Phenanthrene-d10	11.328

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	91
3	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	59
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	52
5	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011725\
Data File : BF141204.D
Acq On : 17 Jan 2025 20:18
Operator : RC/JU
Sample : Q1115-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-213

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

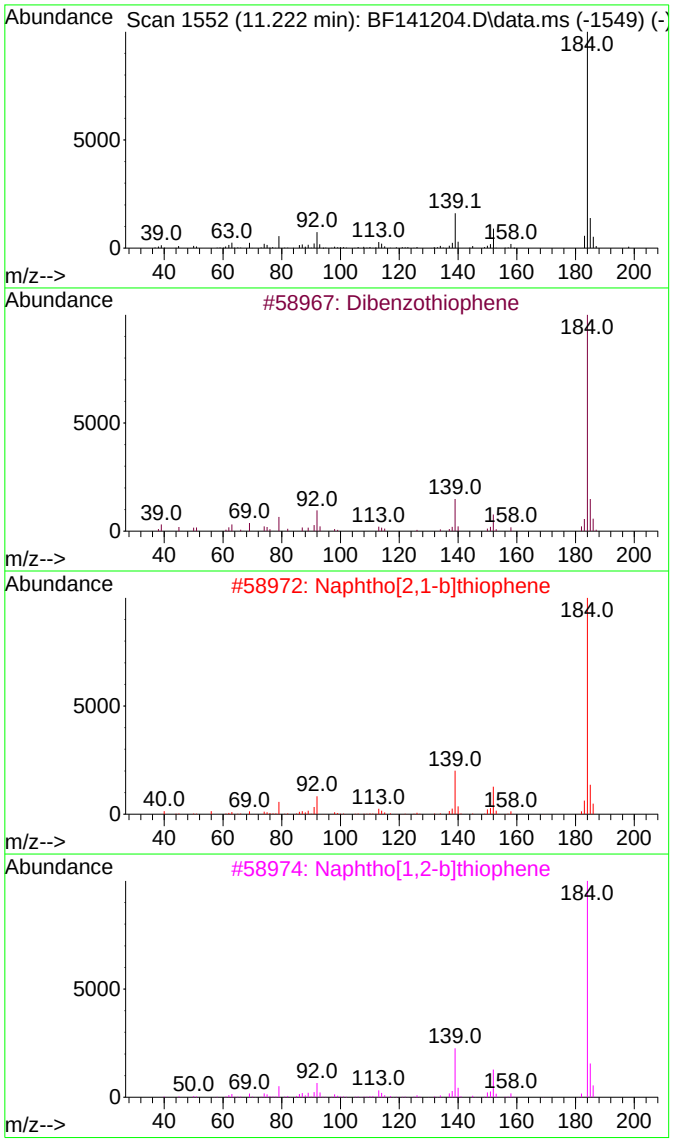
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

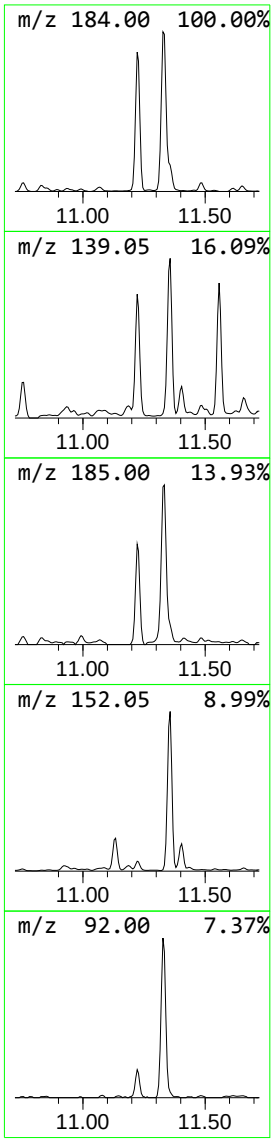
****

Peak Number 6 Dibenzothiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.222	2.58 ng	224559	Phenanthrene-d10	11.328

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	91
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	91
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90





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Sample : Q1115-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

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ClientSampleId :
VNJ-213

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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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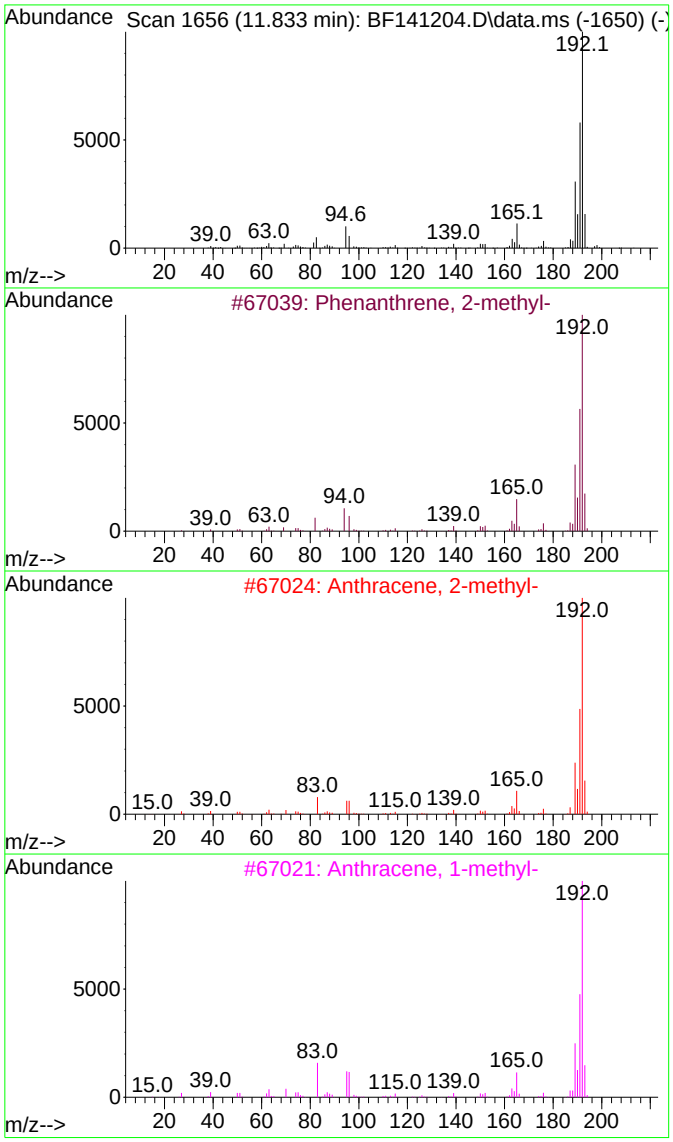
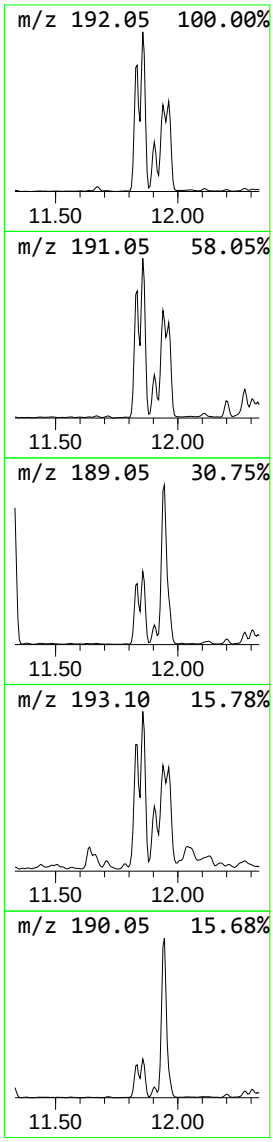
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.833	4.87 ng	423615	Phenanthrene-d10	11.328

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	87





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Misc :
ALS Vial : 13 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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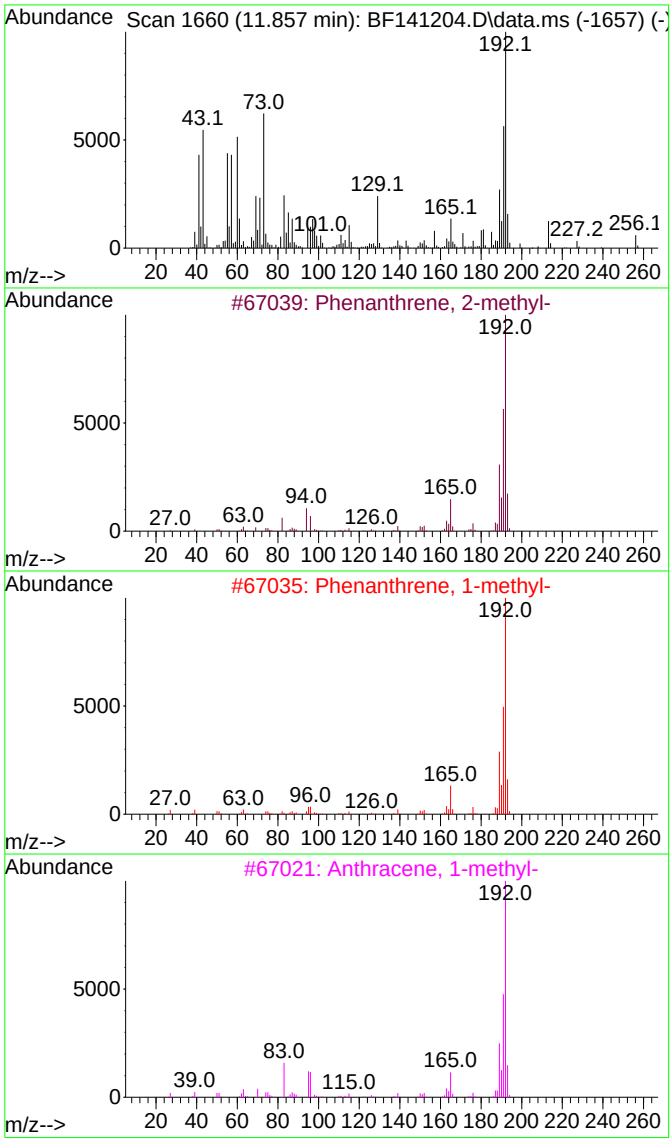
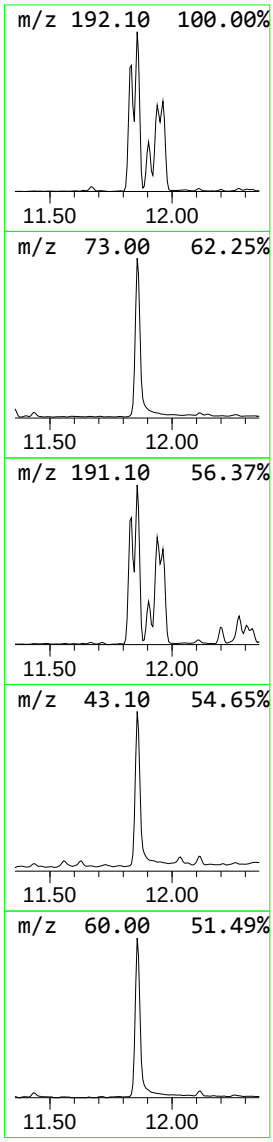
Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.857	12.80 ng	1113850	Phenanthrene-d10	11.328

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	92





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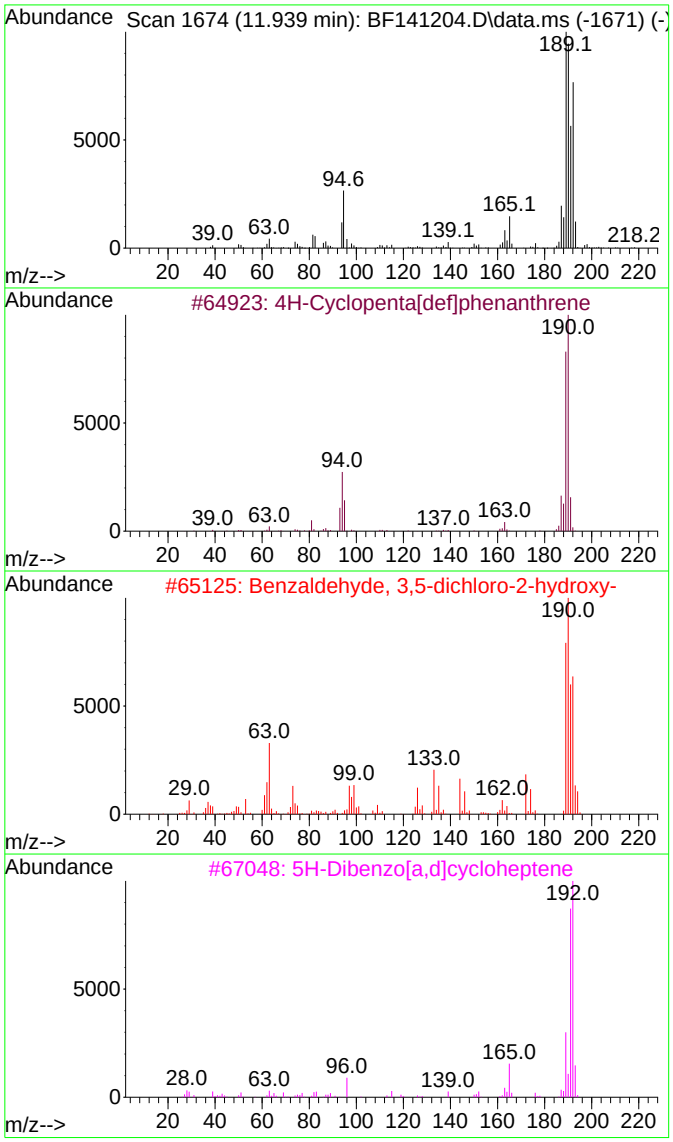
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

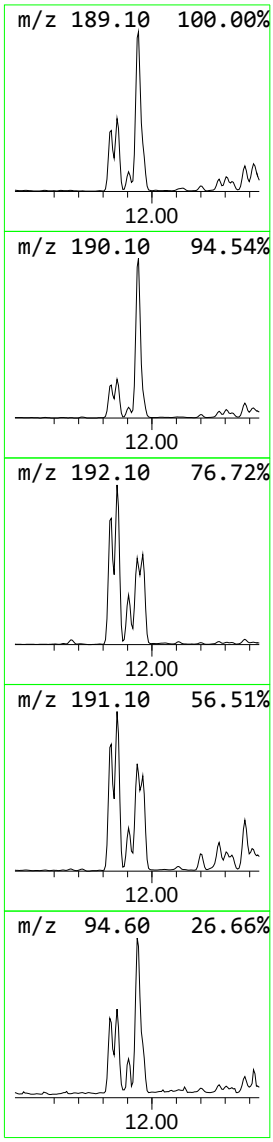
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.939	10.02 ng	872202	Phenanthrene-d10	11.328

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	91
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	38
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38





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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
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TIC Library : C:\Database\NIST20.L
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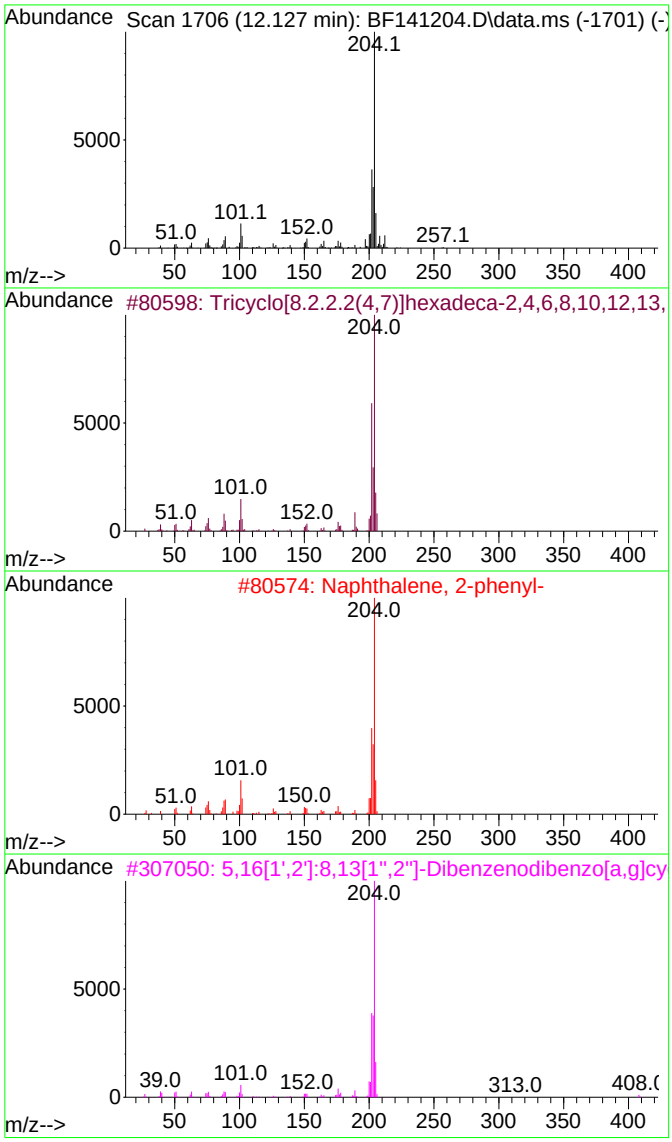
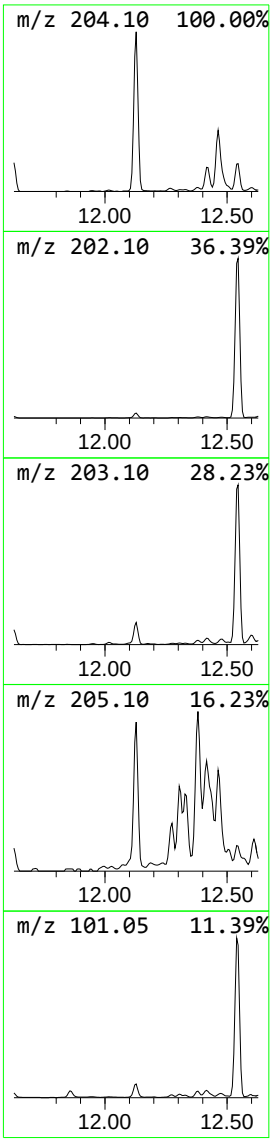
****
Peak Number 10 Tricyclo[8.2.2.2(4,7)]hexad... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.127	5.69 ng	495682	Phenanthrene-d10	11.328

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	90
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	78
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	64
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	52





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TIC Library : C:\Database\NIST20.L
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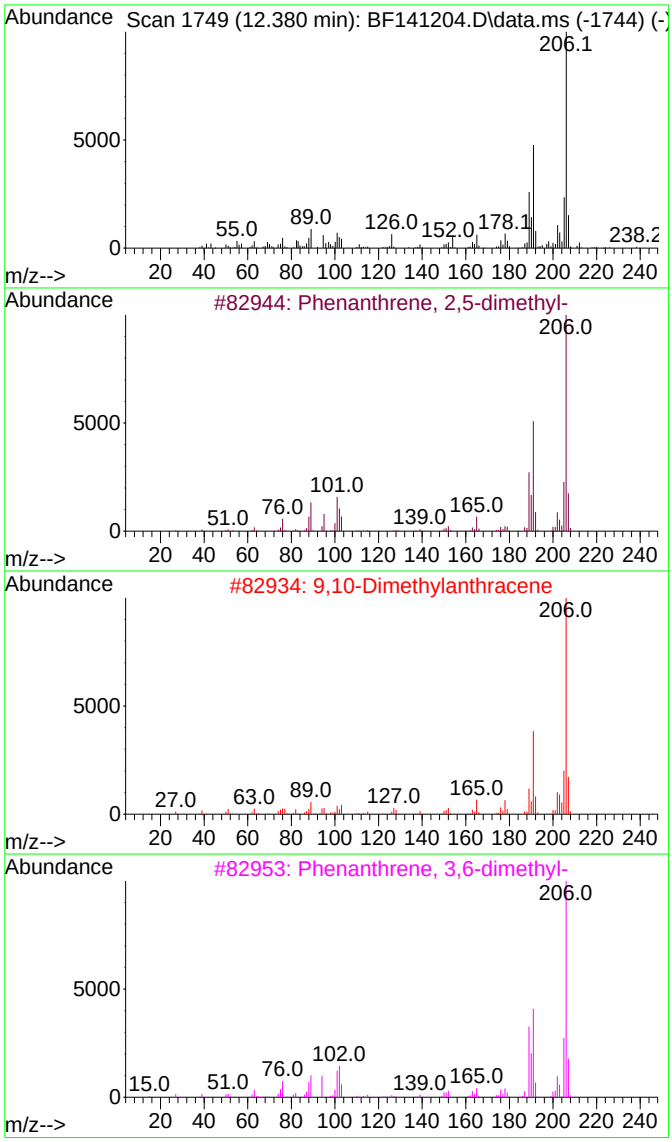
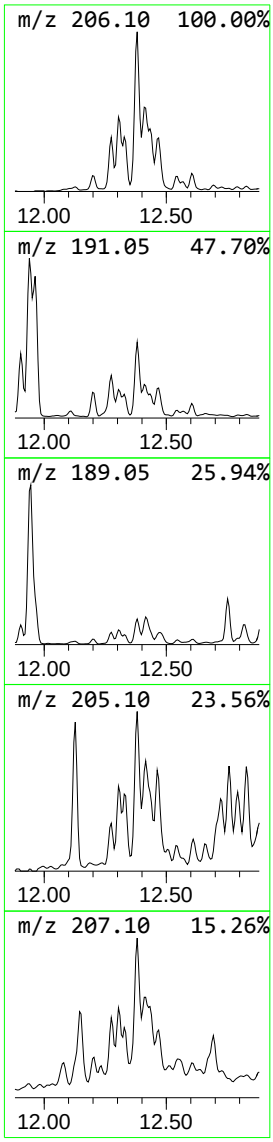
****
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.380	3.25 ng	283097	Phenanthrene-d10	11.328

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	83





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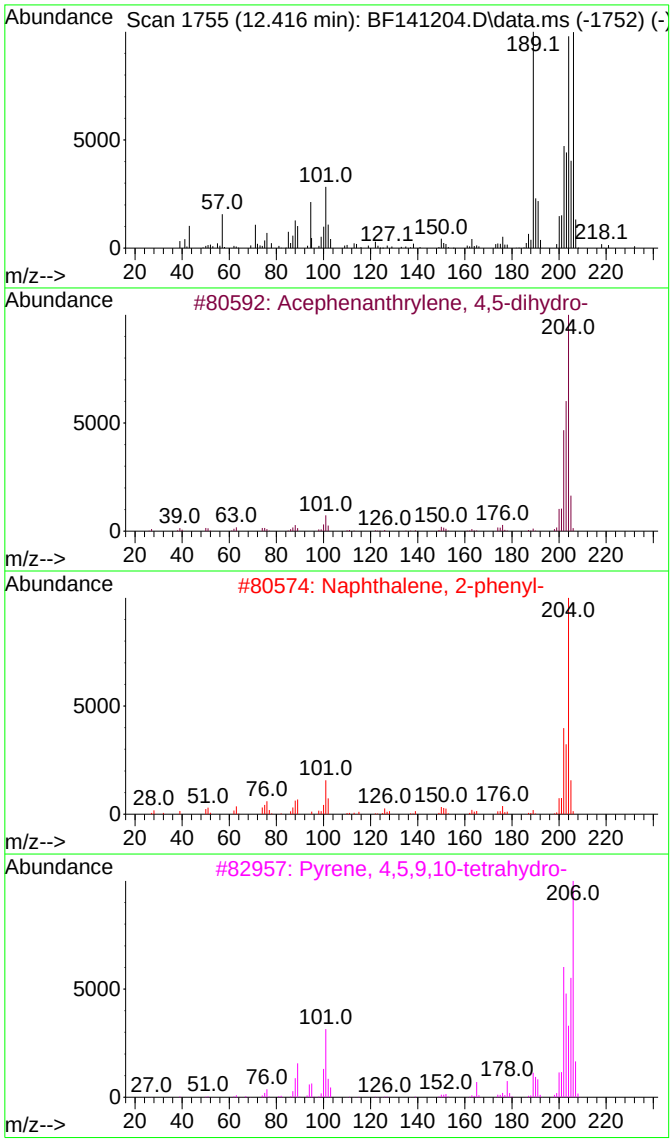
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

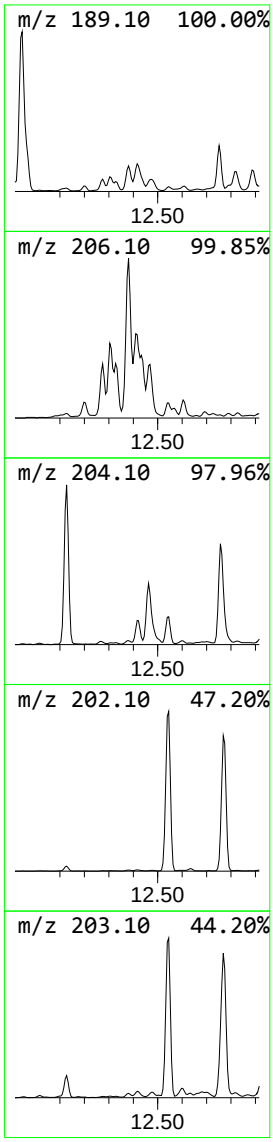
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Acephenanthrylene, 4,5-dihy... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.416	2.09 ng	181540	Phenanthrene-d10	11.328

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	72
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	35
3	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	30
4	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	25
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	25





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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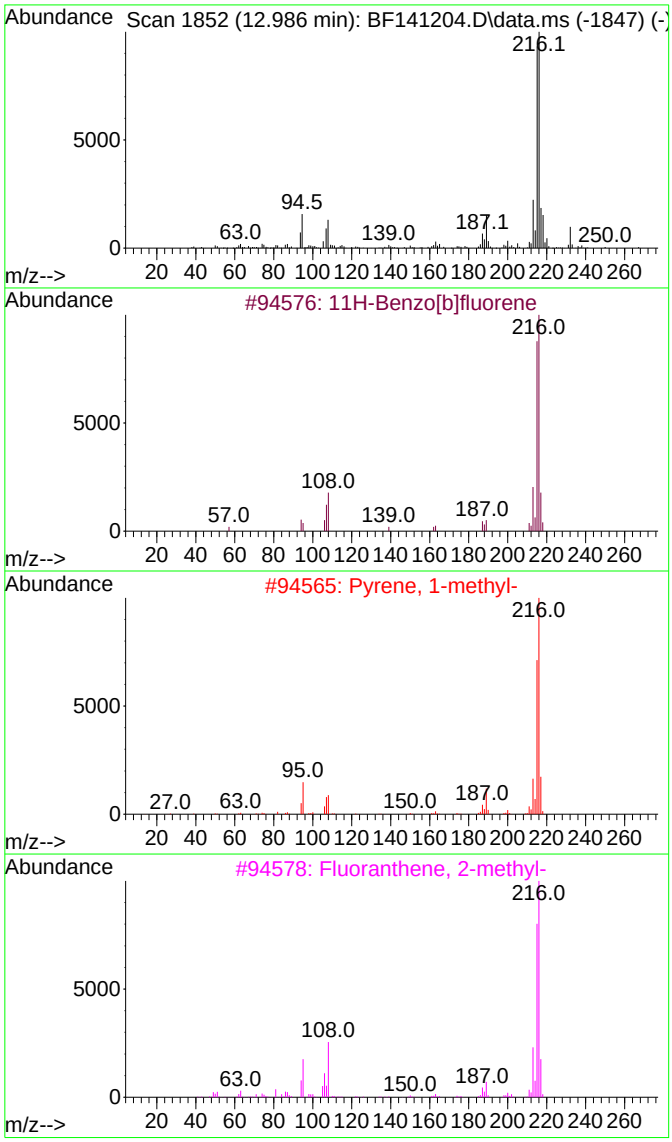
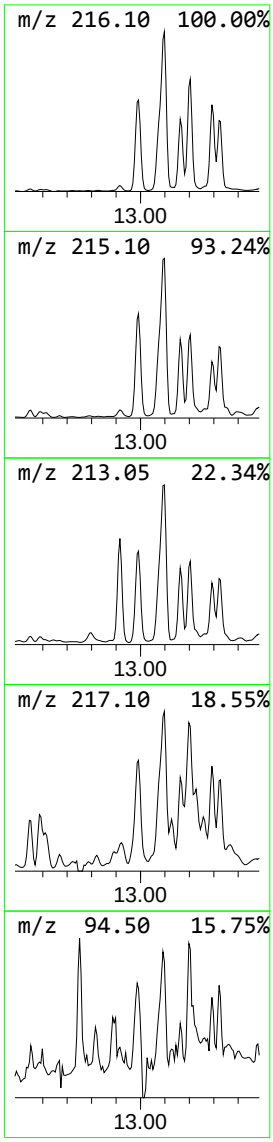
Peak Number 13 11H-Benzo[b]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.986	2.63 ng	322543	Chrysene-d12	13.969

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	70





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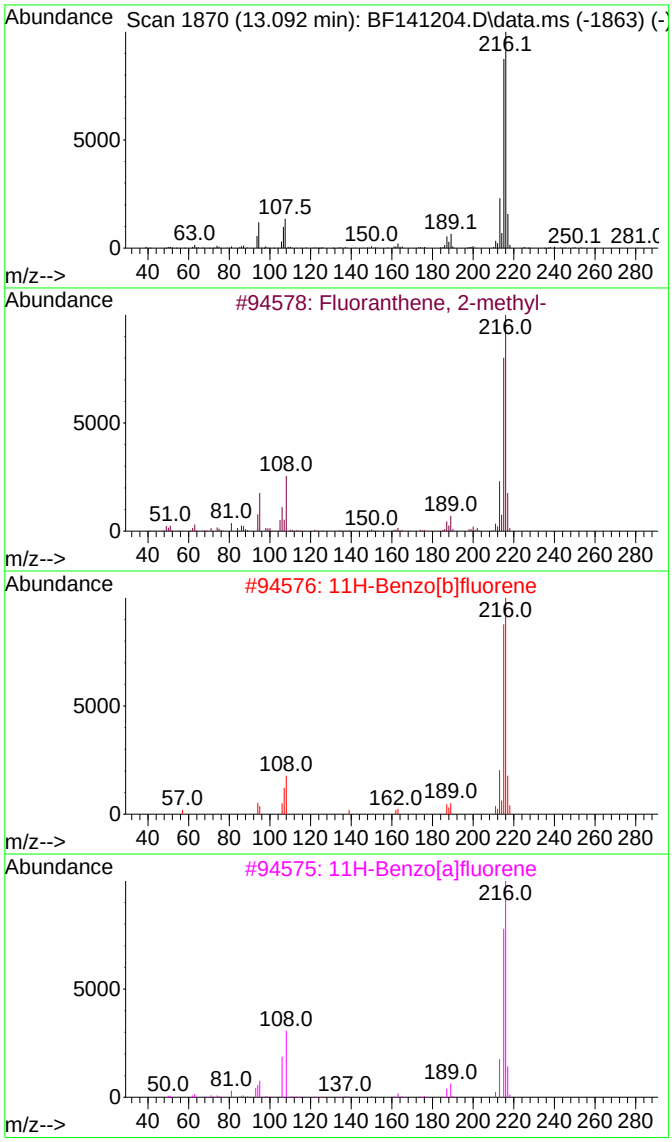
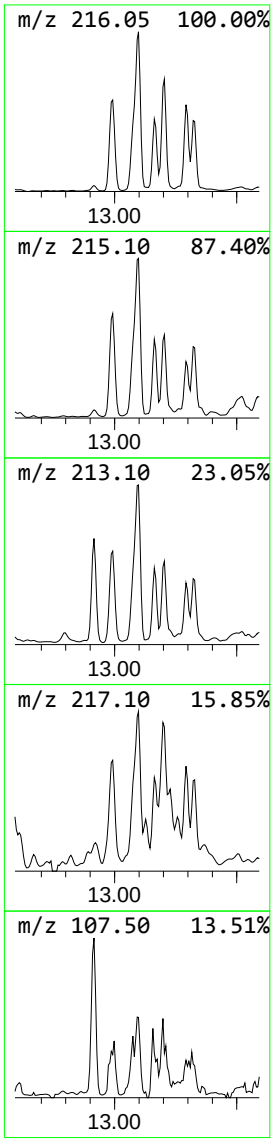
Peak Number 14 Fluoranthene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.092	3.24 ng	396439	Chrysene-d12	13.969

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	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





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TIC Integration Parameters: LSCINT.P

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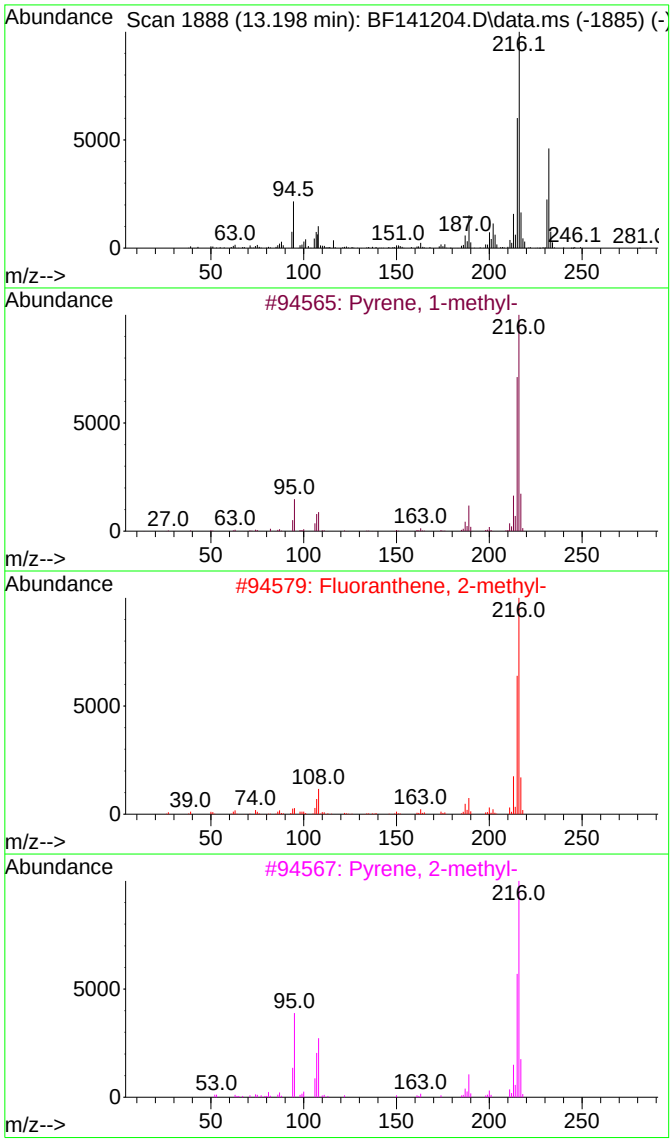
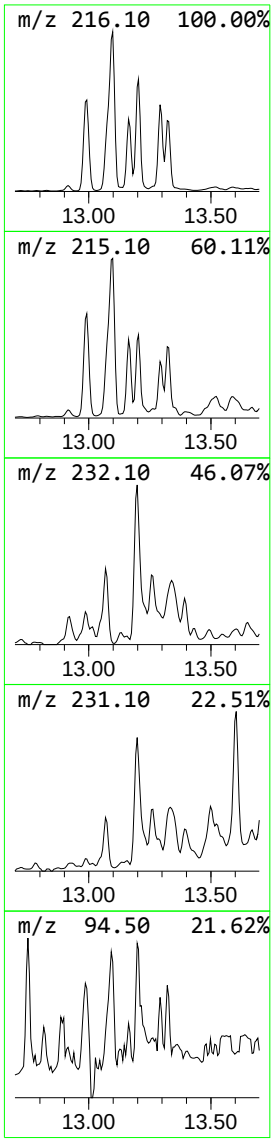
Peak Number 15 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.198	2.23 ng	272685	Chrysene-d12	13.969

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	78
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	70
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	53





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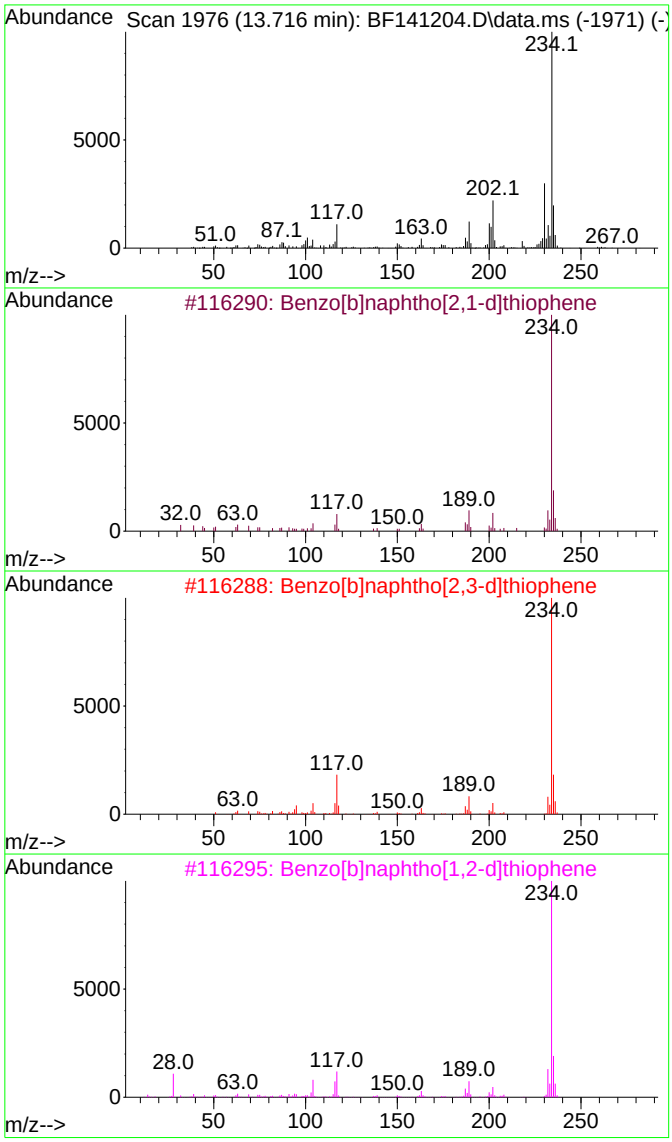
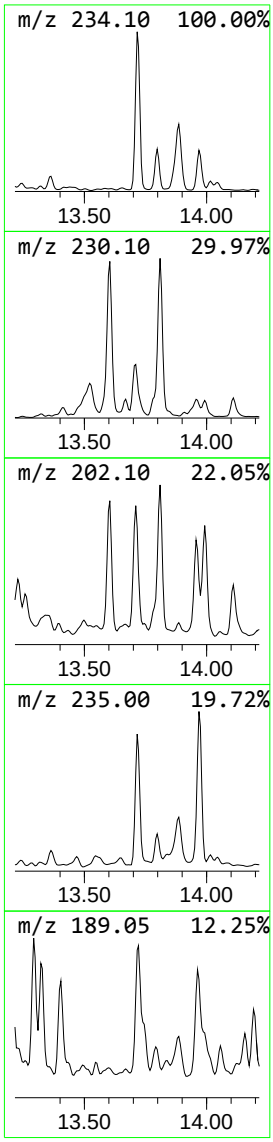
****
Peak Number 16 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.716	2.12 ng	259068	Chrysene-d12	13.969

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	70
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	58
4	Phenanthro(2,1-b)thiophene	234	C16H10S	000219-25-0	50
5	Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	47





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Misc :
ALS Vial : 13 Sample Multiplier: 1

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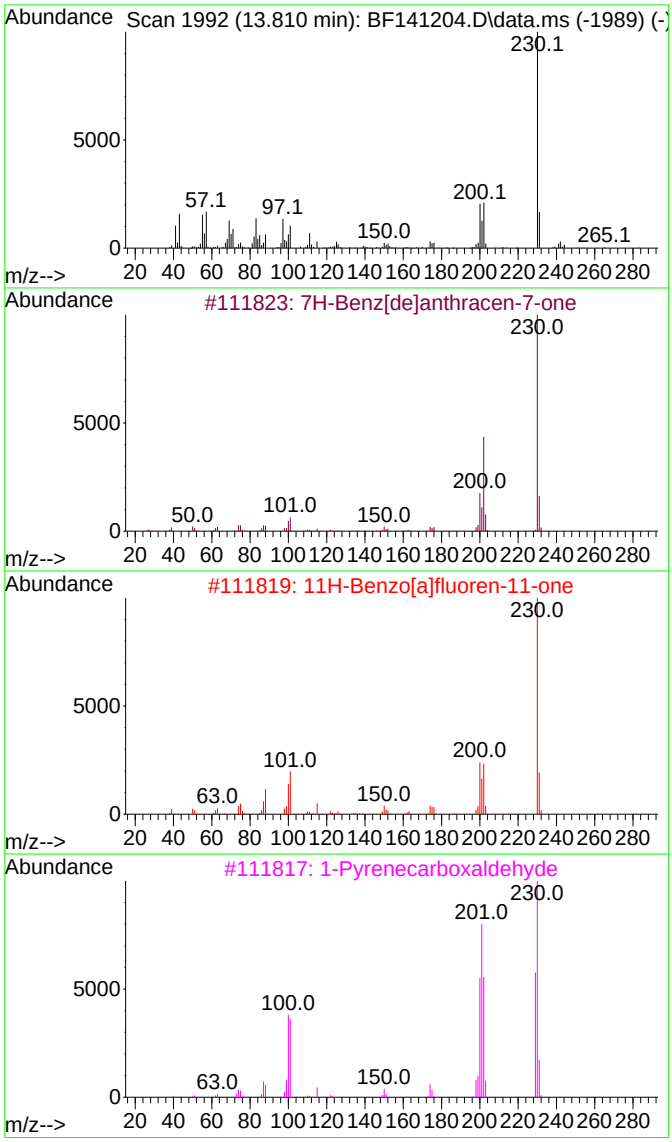
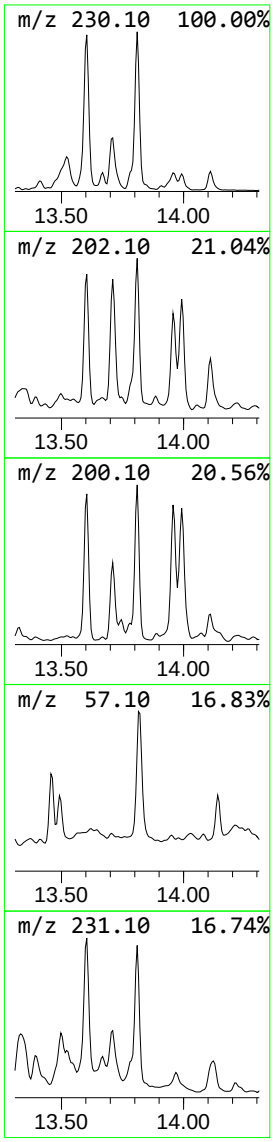
****
Peak Number 17 7H-Benz[de]anthracen-7-one Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.810	3.37 ng	412893	Chrysene-d12	13.969

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	76
2	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	74
3	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	50
4	5-Amino-7-imino-4,8-diazatricycl...	230	C12H14N4O	1000388-35-6	47
5	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011725\
Data File : BF141204.D
Acq On : 17 Jan 2025 20:18
Operator : RC/JU
Sample : Q1115-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-213

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.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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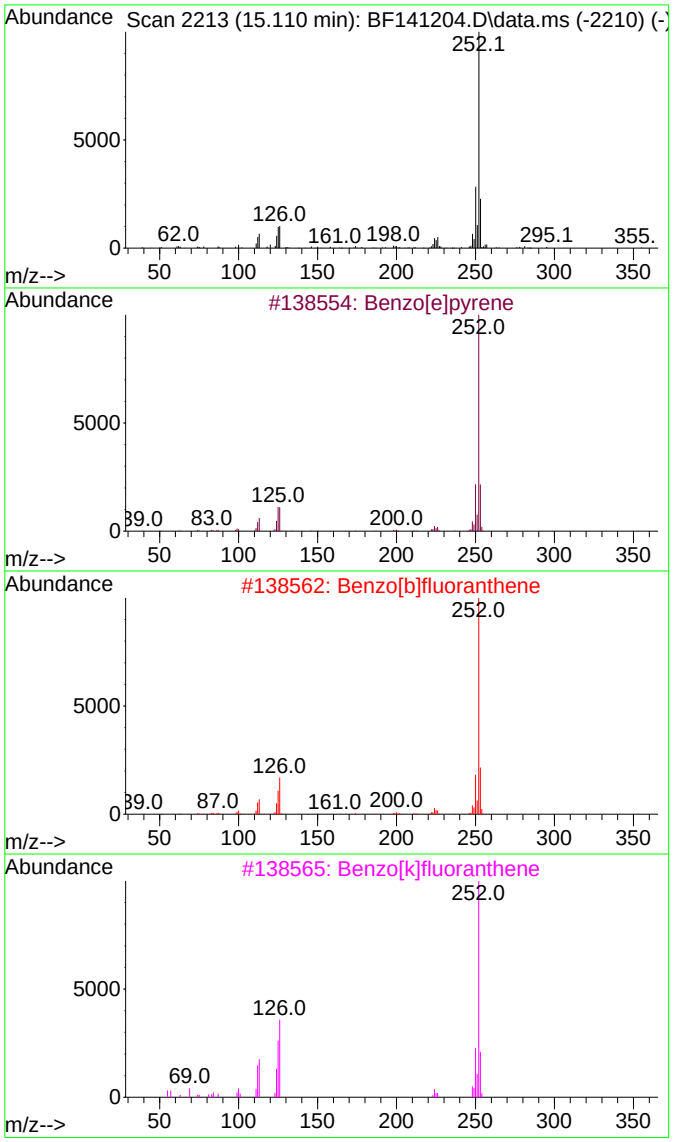
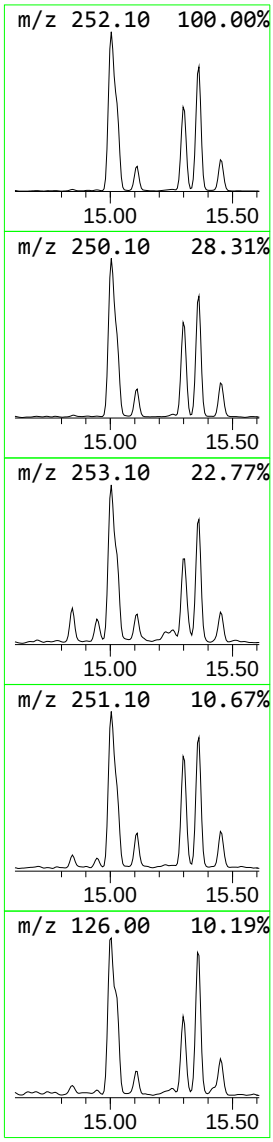
Peak Number 18 Benzo[e]pyrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.110	2.28 ng	131004	Perylene-d12	15.421

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





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011725\
Data File : BF141204.D
Acq On : 17 Jan 2025 20:18
Operator : RC/JU
Sample : Q1115-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-213

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.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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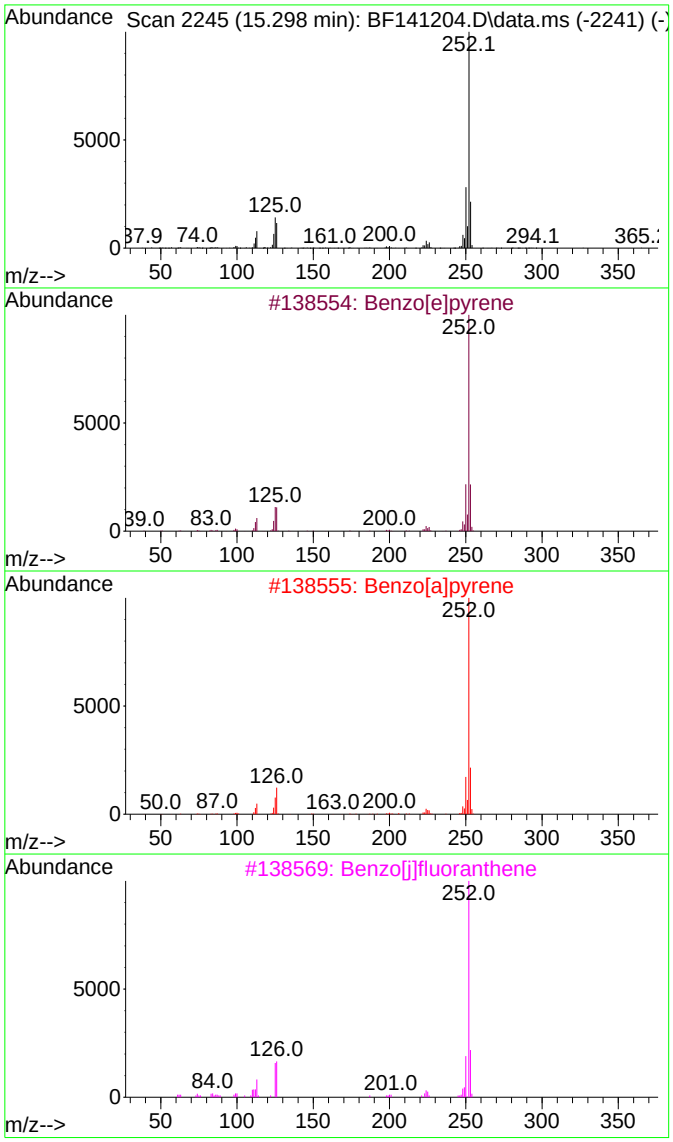
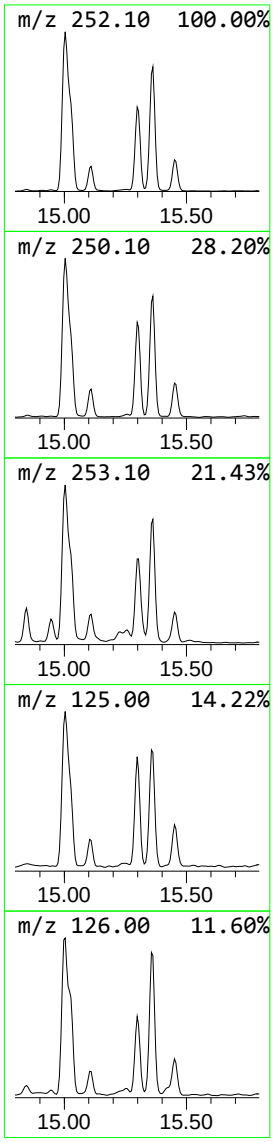
Peak Number 19 Benzo[j]fluoranthene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.298	8.24 ng	474147	Perylene-d12	15.421

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[j]fluoranthene	252	C20H12	000205-82-3	90
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	90
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011725\
Data File : BF141204.D
Acq On : 17 Jan 2025 20:18
Operator : RC/JU
Sample : Q1115-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-213

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.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
2-Pentanone, 4-...	5.022	4.9	ng	306087	1	6.810	1259200	20.0
2,2,4-Trimethyl...	10.251	6.7	ng	643781	3	9.839	1934820	20.0
Benzophenone	10.557	5.5	ng	531170	3	9.839	1934820	20.0
9H-Fluorene, 2-...	10.933	2.0	ng	177520	4	11.328	1740890	20.0
9H-Fluoren-9-one	11.133	2.5	ng	220706	4	11.328	1740890	20.0
Dibenzothiophene	11.222	2.6	ng	224559	4	11.328	1740890	20.0
Phenanthrene, 2...	11.833	4.9	ng	423615	4	11.328	1740890	20.0
Phenanthrene, 1...	11.857	12.8	ng	1113850	4	11.328	1740890	20.0
4H-Cyclopenta[d...	11.939	10.0	ng	872202	4	11.328	1740890	20.0
Tricyclo[8.2.2....	12.127	5.7	ng	495682	4	11.328	1740890	20.0
Phenanthrene, 2...	12.380	3.3	ng	283097	4	11.328	1740890	20.0
Acephenanthryle...	12.416	2.1	ng	181540	4	11.328	1740890	20.0
11H-Benzo[b]flu...	12.986	2.6	ng	322543	5	13.969	2448310	20.0
Fluoranthene, 2...	13.092	3.2	ng	396439	5	13.969	2448310	20.0
Pyrene, 1-methyl-	13.198	2.2	ng	272685	5	13.969	2448310	20.0
Benzo[b]naphtho...	13.716	2.1	ng	259068	5	13.969	2448310	20.0
7H-Benz[de]anth...	13.810	3.4	ng	412893	5	13.969	2448310	20.0
Benzo[e]pyrene	15.110	2.3	ng	131004	6	15.421	1150430	20.0
Benzo[j]fluoran...	15.298	8.2	ng	474147	6	15.421	1150430	20.0