LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101822\
Data File : BF130704.D
Acq On : 18 Oct 2022 18:20
Operator : CG\JU
Sample : N5172-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BU-02-101722

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-BF101122.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF130704.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.740	481	485	498	rVB	194422	259645	1.23%	0.165%
2	5.181	556	560	575	rBV	1264075	1344204	6.35%	0.855%
3	6.228	735	738	755	rBV	1301063	1266206	5.98%	0.805%
4	6.575	793	797	804	rBV	415254	344555	1.63%	0.219%
5	7.145	891	894	897	rBV	944400	770836	3.64%	0.490%
6	7.857	1010	1015	1016	rVV	444129	452351	2.14%	0.288%
7	7.881	1016	1019	1022	rVV	2851497	2803882	13.24%	1.783%
8	8.575	1132	1137	1140	rBV	2099296	1937300	9.15%	1.232%
9	8.669	1148	1153	1156	rVB	1948833	1584368	7.48%	1.007%
10	8.934	1194	1198	1201	rVB	1653389	1298276	6.13%	0.825%
11	9.034	1208	1215	1217	rBV2	453191	466648	2.20%	0.297%
12	9.122	1228	1230	1236	rVB	211577	284557	1.34%	0.181%
13	9.198	1238	1243	1246	rBV	760570	1033850	4.88%	0.657%
14	9.269	1251	1255	1257	rVV	1240758	1235551	5.83%	0.786%
15	9.292	1257	1259	1263	rVV	816252	699730	3.30%	0.445%
16	9.381	1271	1274	1280	rVB	512578	614755	2.90%	0.391%
17	9.469	1283	1289	1294	rBV	834055	779691	3.68%	0.496%
18	9.604	1305	1312	1315	rBV2	495316	684063	3.23%	0.435%
19	9.639	1315	1318	1322	rBV	982469	862047	4.07%	0.548%
20	9.810	1343	1347	1350	rVV	1731078	1486441	7.02%	0.945%
21	9.851	1350	1354	1357	rVB2	379700	348862	1.65%	0.222%
22	9.922	1362	1366	1369	rBV2	382243	391279	1.85%	0.249%
23	10.010	1377	1381	1383	rBV	257223	345923	1.63%	0.220%
24	10.110	1392	1398	1402	rBV3	154600	333292	1.57%	0.212%
25	10.157	1402	1406	1411	rVB	3001375	2873971	13.57%	1.827%
26	10.216	1411	1416	1418	rBV2	233484	314276	1.48%	0.200%
27	10.310	1429	1432	1435	rVB	540495	464661	2.19%	0.295%
28	10.398	1440	1447	1450	rVV2	1346246	1605393	7.58%	1.021%
29	10.516	1464	1467	1474	rVB3	360780	425227	2.01%	0.270%
30	10.698	1493	1498	1501	rBV2	754458	886537	4.19%	0.564%
31	10.728	1501	1503	1506	rVV	495913	402876	1.90%	0.256%
32	10.781	1509	1512	1515	rVB	388079	318760	1.50%	0.203%
33	10.845	1522	1523	1526	rVV	280778	273965	1.29%	0.174%
34	10.939	1536	1539	1541	rVV	285978	296743	1.40%	0.189%
35	10.986	1544	1547	1554	rVB	1104933	1051897	4.97%	0.669%
36	11.133	1561	1572	1574	rBV	7177583	11283063	53.27%	7.174%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101822\
Data File : BF130704.D
Acq On : 18 Oct 2022 18:20
Operator : CG\JU
Sample : N5172-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BU-02-101722

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-BF101122.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.175	1574	1579	1581	rVV	2638212	2073751	9.79%	1.318%
38	11.204	1581	1584	1586	rVV2	299635	305800	1.44%	0.194%
39	11.328	1600	1605	1610	rBV	1063729	1191585	5.63%	0.758%
40	11.386	1612	1615	1618	rVV3	376152	429647	2.03%	0.273%
41	11.416	1618	1620	1626	rVV2	502314	590059	2.79%	0.375%
42	11.498	1630	1634	1637	rVB	4671666	4074262	19.24%	2.590%
43	11.592	1646	1650	1653	rBV	1809914	1946461	9.19%	1.238%
44	11.628	1653	1656	1658	rVV	2626358	2315047	10.93%	1.472%
45	11.645	1658	1659	1661	rVV	336402	257463	1.22%	0.164%
46	11.669	1661	1663	1666	rVV	631459	594186	2.81%	0.378%
47	11.710	1666	1670	1672	rVV	2682350	3006622	14.20%	1.912%
48	11.728	1672	1673	1678	rVB	1418134	1010164	4.77%	0.642%
49	11.886	1697	1700	1704	rVV	1012434	1091376	5.15%	0.694%
50	11.922	1704	1706	1710	rVB2	344402	316667	1.50%	0.201%
51	12.033	1723	1725	1728	rVB	340675	275754	1.30%	0.175%
52	12.069	1728	1731	1733	rBV	640044	569257	2.69%	0.362%
53	12.092	1733	1735	1738	rVB	422020	355018	1.68%	0.226%
54	12.145	1739	1744	1746	rBV	1216482	1451263	6.85%	0.923%
55	12.210	1746	1755	1757	rVV2	9088112	21180229	100.00%	13.466%
56	12.233	1757	1759	1763	rVV3	9516253	8530367	40.28%	5.424%
57	12.298	1766	1770	1771	rBV	3312211	3414644	16.12%	2.171%
58	12.328	1771	1775	1777	rVV	6385905	8046846	37.99%	5.116%
59	12.351	1777	1779	1786	rVV5	1177103	2194718	10.36%	1.395%
60	12.457	1794	1797	1803	rBV2	353681	456832	2.16%	0.290%
61	12.557	1806	1814	1818	rVB2	5575341	9115675	43.04%	5.796%
62	12.598	1818	1821	1824	rVB2	744589	811171	3.83%	0.516%
63	12.663	1824	1832	1833	rBV2	600641	878816	4.15%	0.559%
64	12.680	1833	1835	1838	rVV	1635031	1514251	7.15%	0.963%
65	12.704	1838	1839	1843	rVB	378342	280650	1.33%	0.178%
66	12.763	1843	1849	1852	rBV2	823501	1380591	6.52%	0.878%
67	12.839	1859	1862	1864	rBV2	621954	783503	3.70%	0.498%
68	12.869	1864	1867	1870	rVB	2002749	2071136	9.78%	1.317%
69	12.933	1871	1878	1881	rBV	1997138	2232389	10.54%	1.419%
70	12.969	1881	1884	1888	rVB2	1231213	1257677	5.94%	0.800%
71	13.057	1896	1899	1902	rBV	792628	783345	3.70%	0.498%
72	13.092	1902	1905	1908	rBV	832628	770245	3.64%	0.490%
73	13.345	1944	1948	1951	rBV2	405808	622973	2.94%	0.396%
74	13.374	1951	1953	1956	rVB3	406396	377692	1.78%	0.240%
75	13.427	1960	1962	1966	rBV	245481	316852	1.50%	0.201%
76	13.480	1967	1971	1973	rBV2	610202	702383	3.32%	0.447%

LSC Area Percent Report

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Acq On : 18 Oct 2022 18:20
Operator : CG\JU
Sample : N5172-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BU-02-101722

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-BF101122.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.504	1973	1975	1978	rVB	575429	477405	2.25%	0.304%
78	13.533	1978	1980	1981	rBV	381329	290045	1.37%	0.184%
79	13.580	1986	1988	1991	rVV3	274681	311280	1.47%	0.198%
80	13.733	2007	2014	2017	rBV3	3164425	5482478	25.88%	3.486%
81	13.769	2017	2020	2023	rVV	3332024	3478187	16.42%	2.211%
82	13.839	2030	2032	2034	rVB	480927	341592	1.61%	0.217%
83	13.892	2037	2041	2045	rVV3	273576	463341	2.19%	0.295%
84	14.080	2070	2073	2075	rVV2	410584	443081	2.09%	0.282%
85	14.122	2077	2080	2082	rVV	1053940	1067965	5.04%	0.679%
86	14.151	2082	2085	2088	rVB	522669	465915	2.20%	0.296%
87	14.245	2098	2101	2102	rBV	364800	300940	1.42%	0.191%
88	14.263	2102	2104	2107	rVB	546051	422194	1.99%	0.268%
89	14.492	2141	2143	2146	rBV2	210603	254340	1.20%	0.162%
90	14.592	2157	2160	2163	rBV2	322462	340336	1.61%	0.216%
91	14.745	2180	2186	2188	rBV	1951748	3216615	15.19%	2.045%
92	14.827	2197	2200	2204	rVB	490916	524952	2.48%	0.334%
93	15.004	2226	2230	2235	rVV	1186533	1420134	6.70%	0.903%
94	15.069	2236	2241	2245	rVV	1879107	2273010	10.73%	1.445%
95	15.116	2246	2249	2251	rVV	255875	288412	1.36%	0.183%
96	15.145	2251	2254	2259	rVB2	509853	679736	3.21%	0.432%
97	16.415	2464	2470	2476	rVB	704188	1279571	6.04%	0.814%
98	16.563	2490	2495	2500	rBV	204499	399687	1.89%	0.254%
99	16.810	2531	2537	2548	rVB	539623	1107752	5.23%	0.704%
100	17.015	2567	2572	2582	rVB	241682	550398	2.60%	0.350%

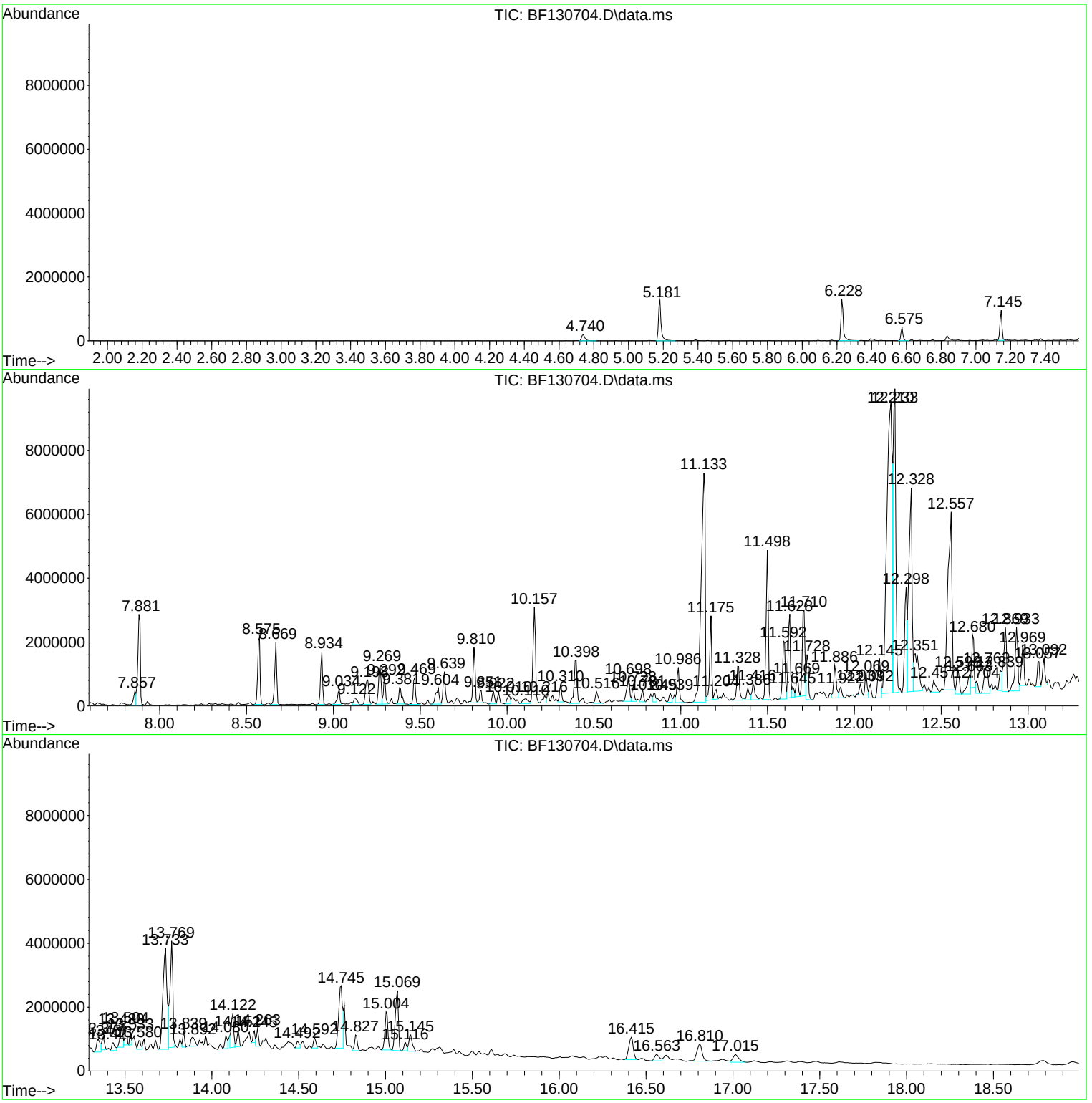
Sum of corrected areas: 157282414

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101822\
Data File : BF130704.D
Acq On : 18 Oct 2022 18:20
Operator : CG\JU
Sample : N5172-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BU-02-101722

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101122.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\BF101822\
Data File : BF130704.D
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Instrument :
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ClientSampleId :
BU-02-101722

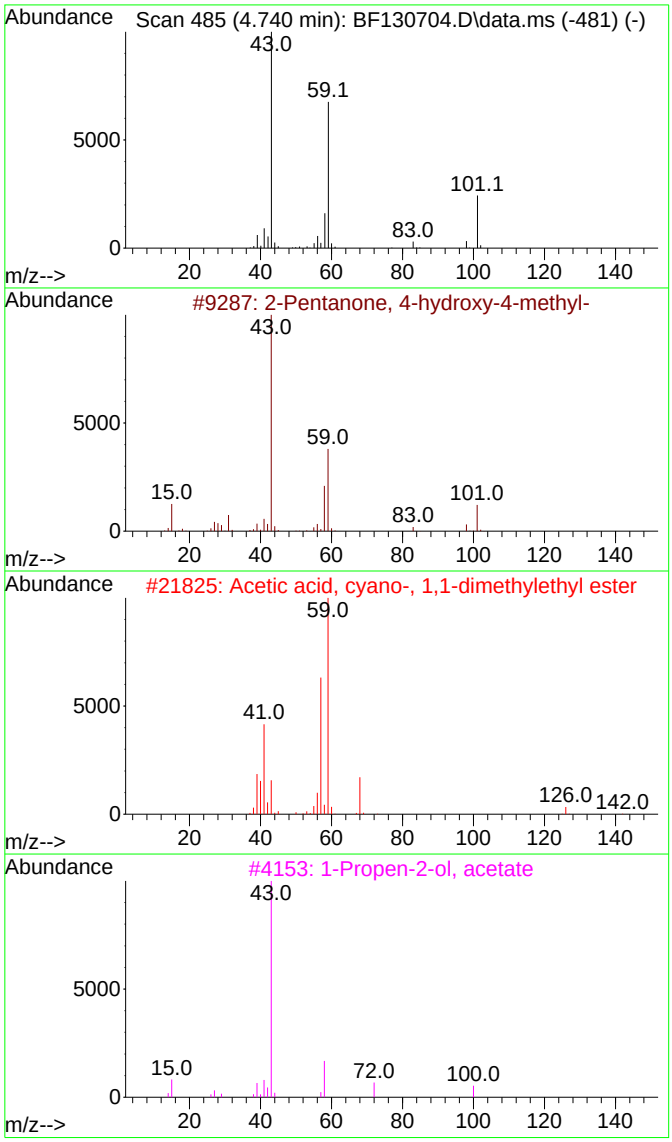
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

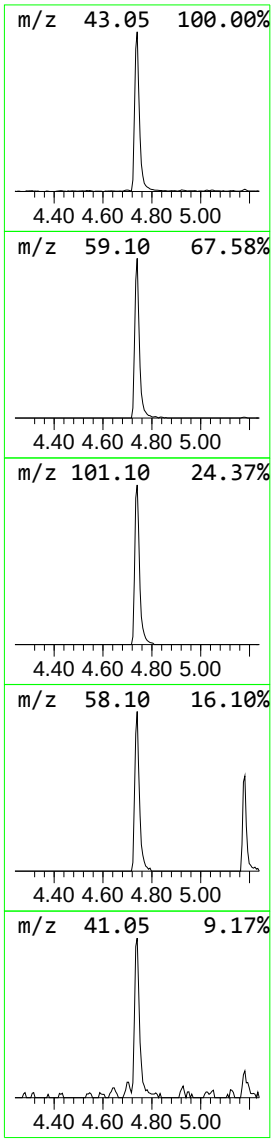
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.740	15.07 ng	259645	1,4-Dichlorobenzene-d4	6.575

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4	Acetone	58	C3H6O	000067-64-1	10
5	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101822\
Data File : BF130704.D
Acq On : 18 Oct 2022 18:20
Operator : CG\JU
Sample : N5172-01
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ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BU-02-101722

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

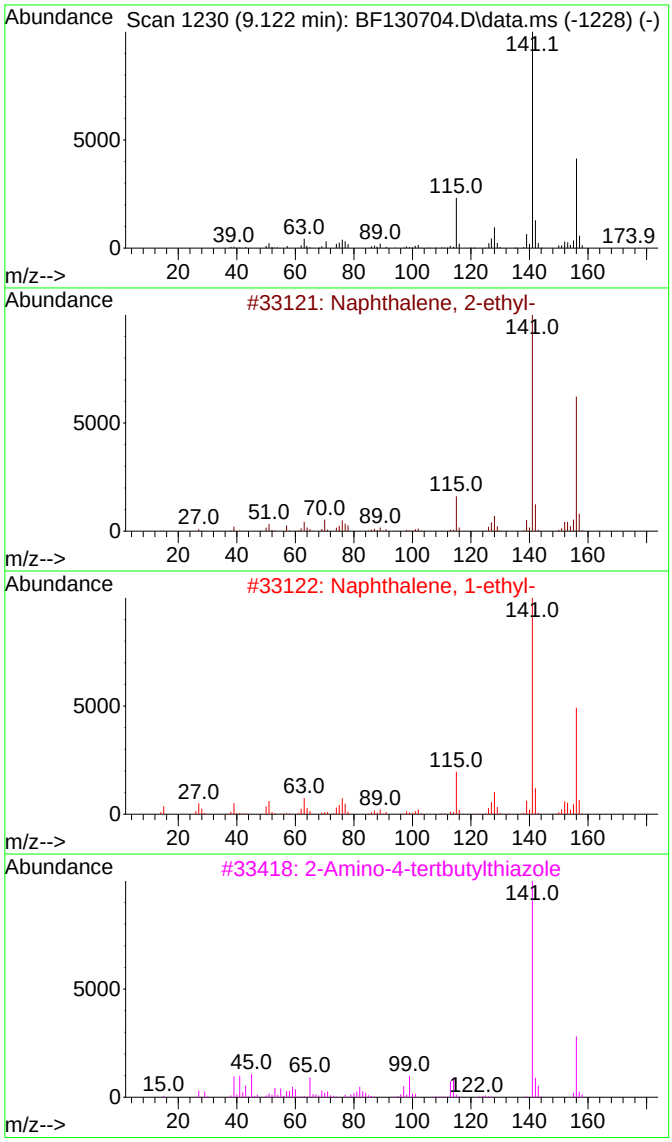
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

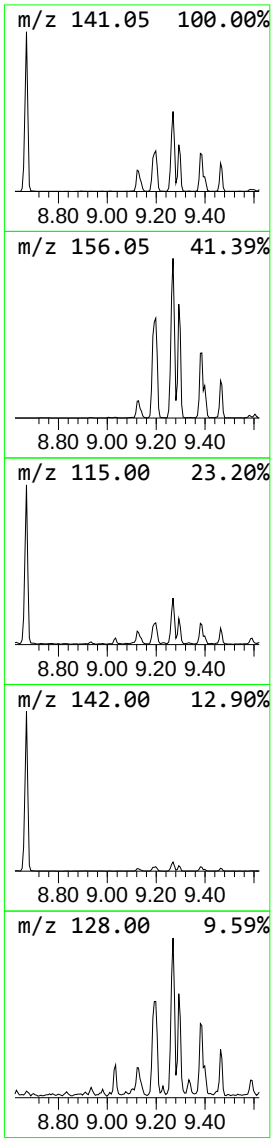
****

Peak Number 2 Naphthalene, 2-ethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.122	8.32 ng	284557	Acenaphthene-d10	9.604

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	90
3	2-Amino-4-tertbutylthiazole	156	C7H12N2S	074370-93-7	59
4	2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	59
5	Methyl phenylphosphinic acid	156	C7H9O2P	004271-13-0	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101822\
Data File : BF130704.D
Acq On : 18 Oct 2022 18:20
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ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

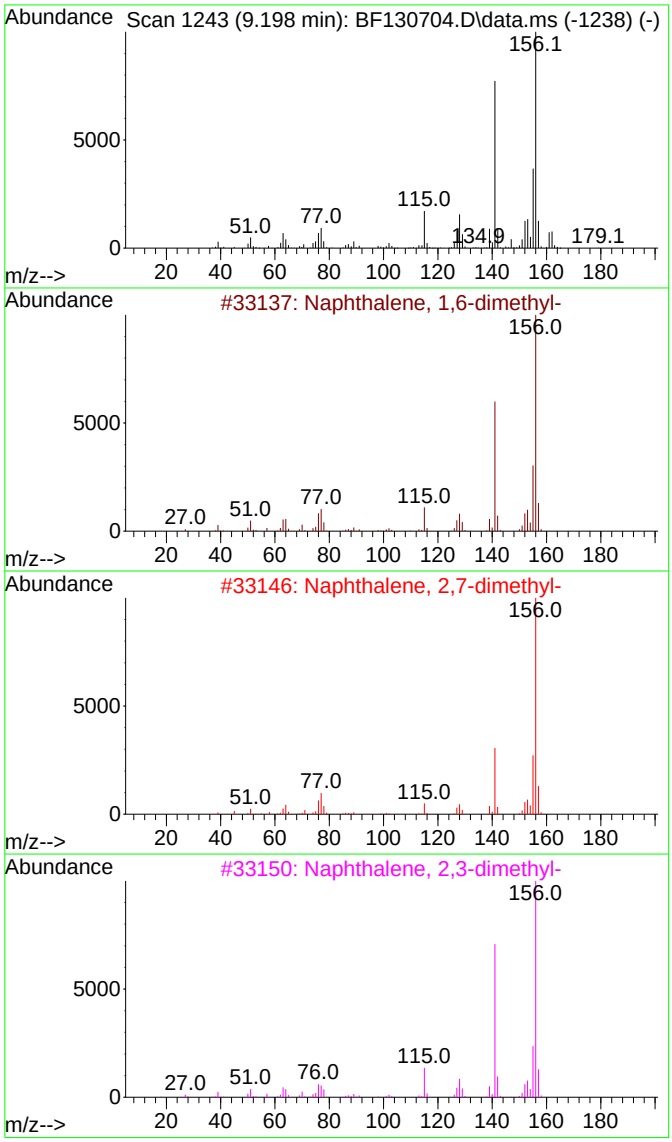
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

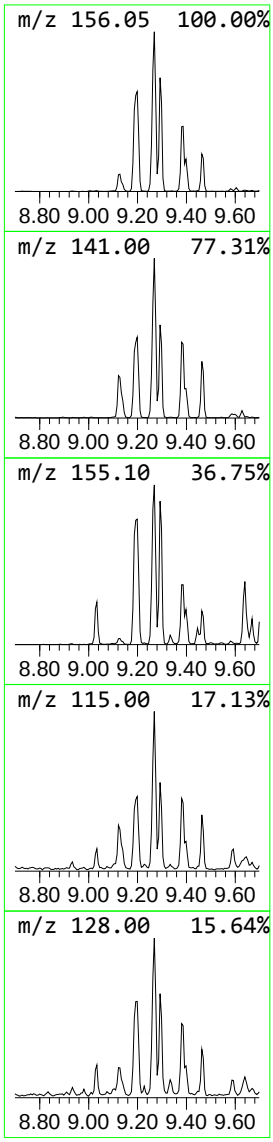
****

Peak Number 3 Naphthalene, 1,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.198	30.23 ng	1033850	Acenaphthene-d10	9.604

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101822\
Data File : BF130704.D
Acq On : 18 Oct 2022 18:20
Operator : CG\JU
Sample : N5172-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BU-02-101722

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

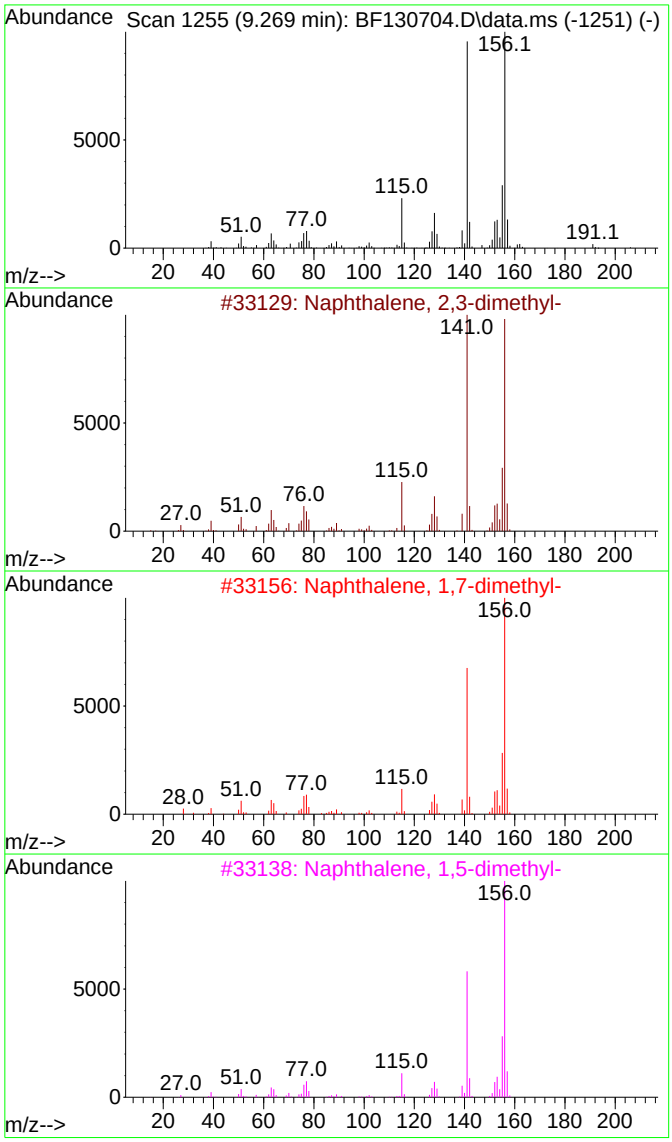
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

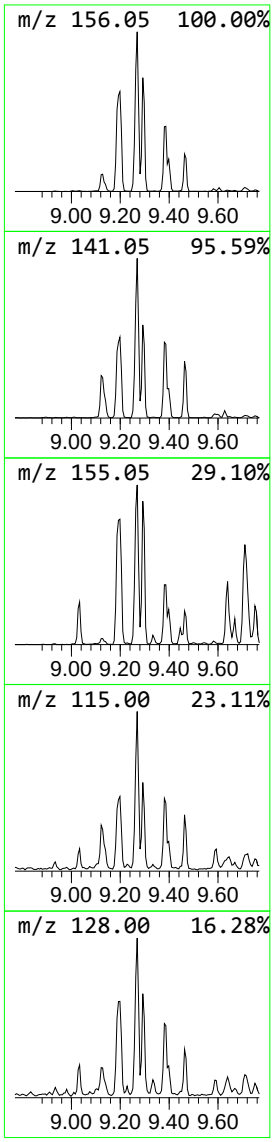
****

Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.269	36.12 ng	1235550	Acenaphthene-d10	9.604

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101822\
Data File : BF130704.D
Acq On : 18 Oct 2022 18:20
Operator : CG\JU
Sample : N5172-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BU-02-101722

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

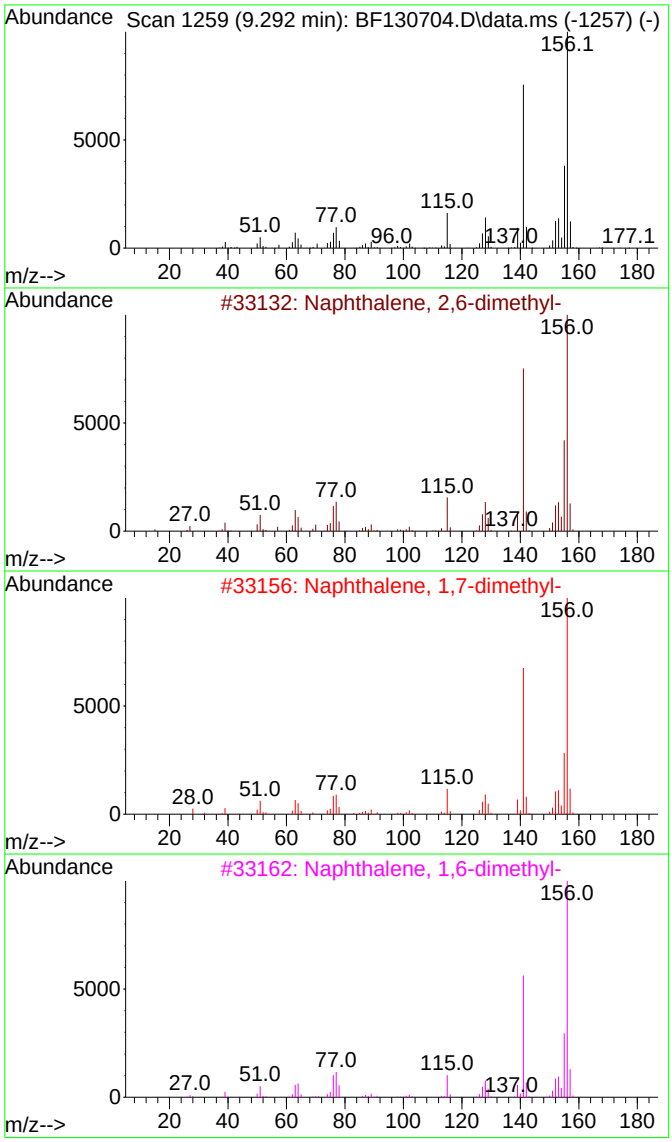
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

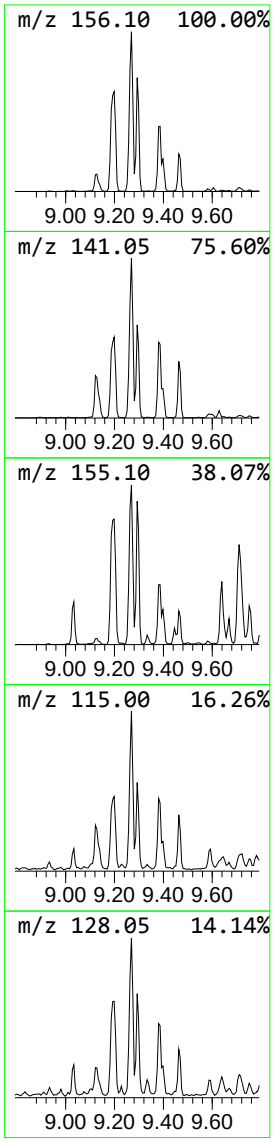
****

Peak Number 5 Naphthalene, 2,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.292	20.46 ng	699730	Acenaphthene-d10	9.604

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97





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Operator : CG\JU
Sample : N5172-01
Misc :
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Instrument :
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ClientSampleId :
BU-02-101722

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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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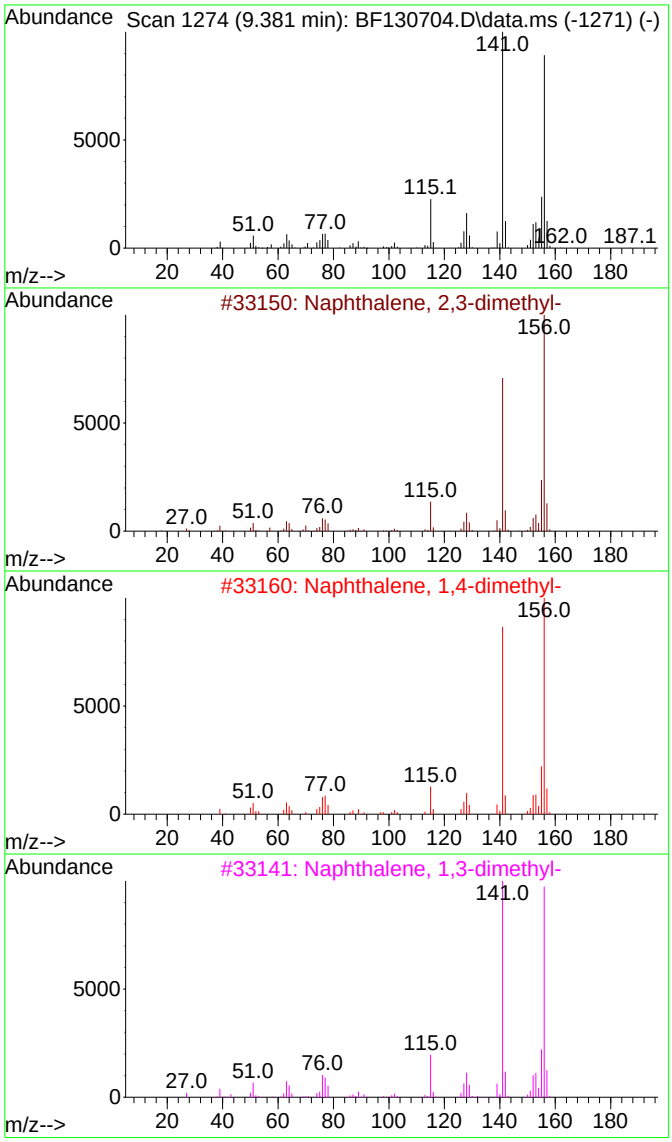
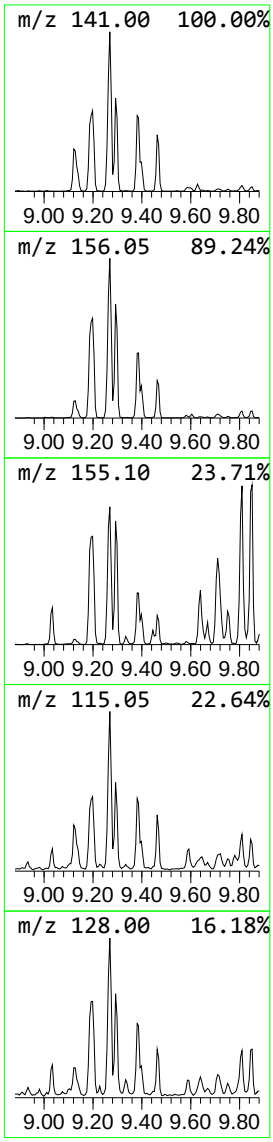
Peak Number 6 Naphthalene, 1,4-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.381	17.97 ng	614755	Acenaphthene-d10	9.604

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	96





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Sample : N5172-01
Misc :
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Instrument :
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ClientSampleId :
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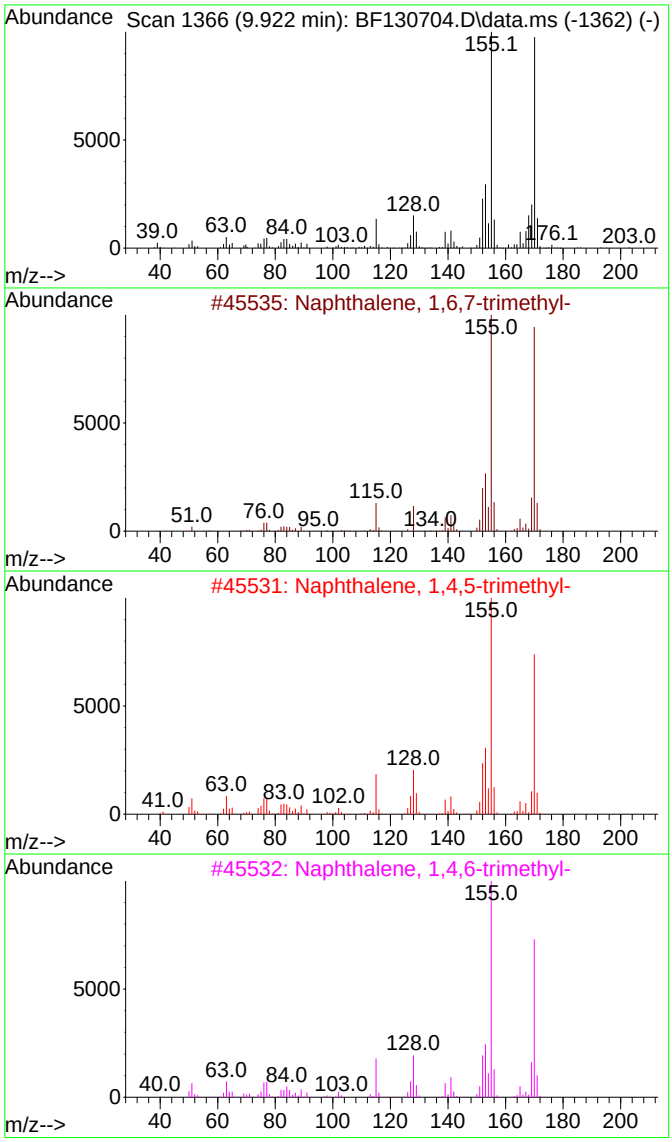
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

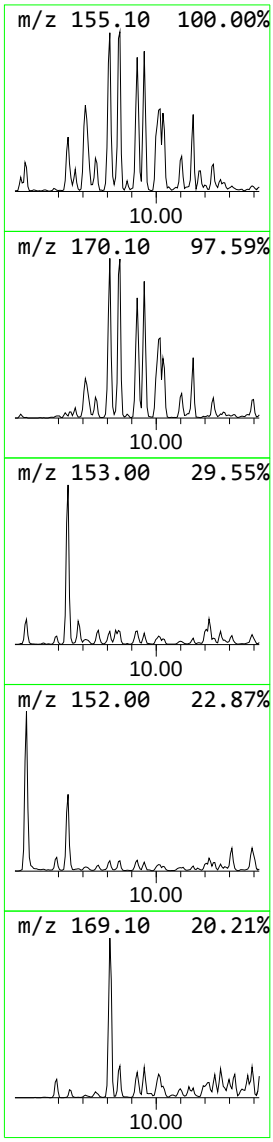
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Naphthalene, 1,6,7-trimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.922	11.44 ng	391279	Acenaphthene-d10	9.604

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	98
2	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	97
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	91





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ALS Vial : 12 Sample Multiplier: 1

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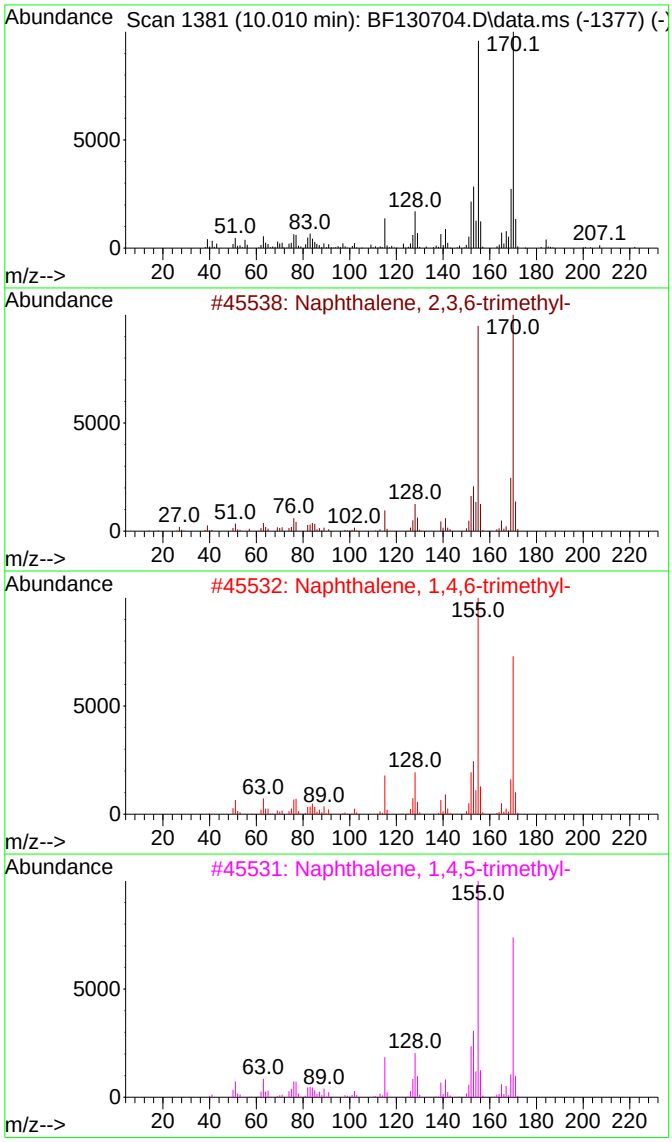
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

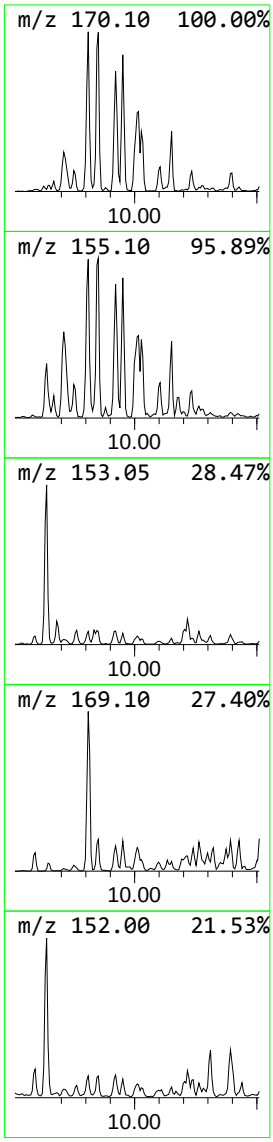
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Naphthalene, 2,3,6-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.010	10.11 ng	345923	Acenaphthene-d10	9.604

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
3	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	96
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	93





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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

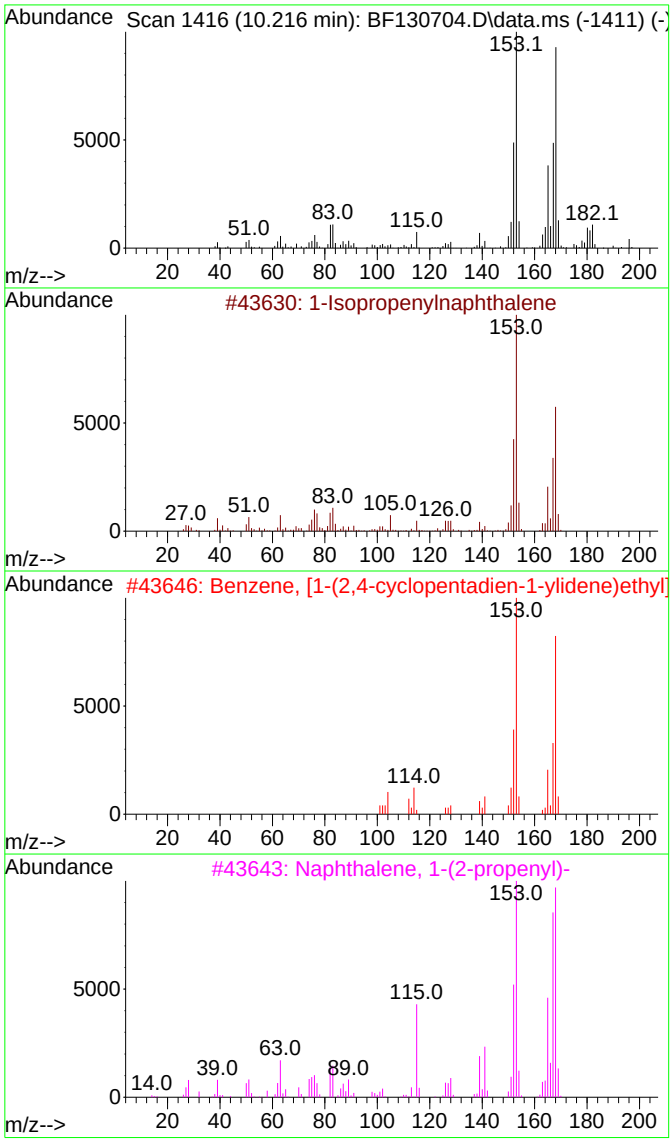
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

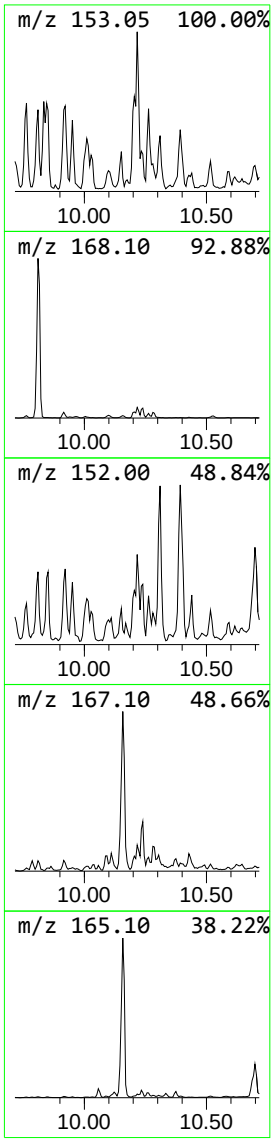
****

Peak Number 9 1-Isopropenylnaphthalene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.216	9.19 ng	314276	Acenaphthene-d10	9.604

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	95
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	76
3	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	50
4	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	45
5	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	43





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Sample : N5172-01
Misc :
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ClientSampleId :
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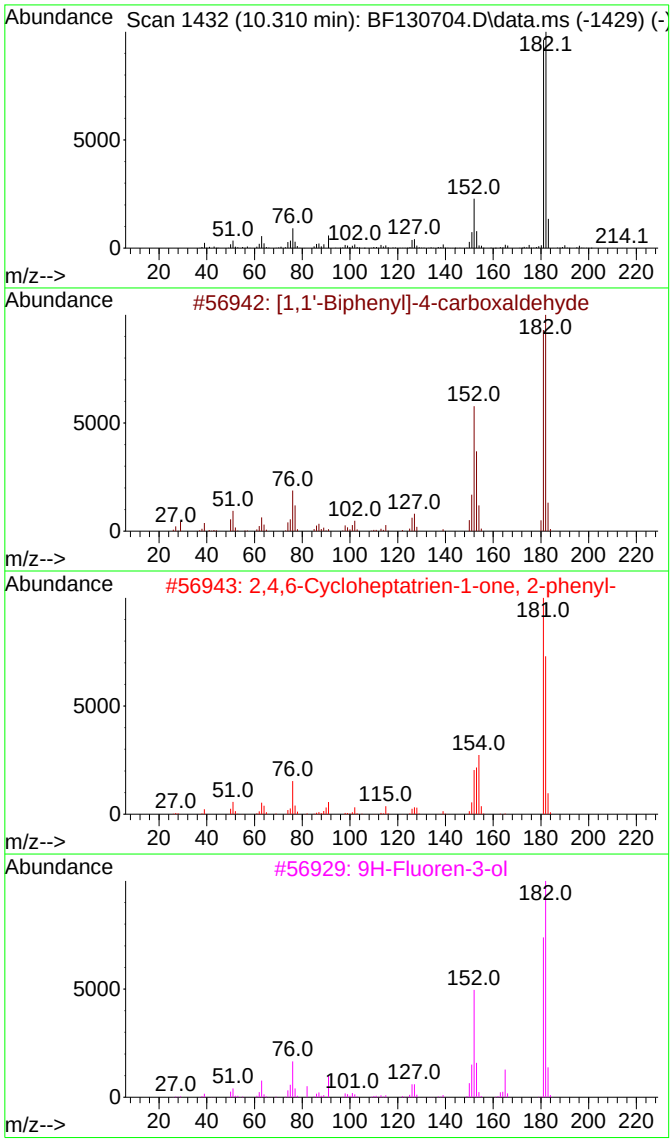
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

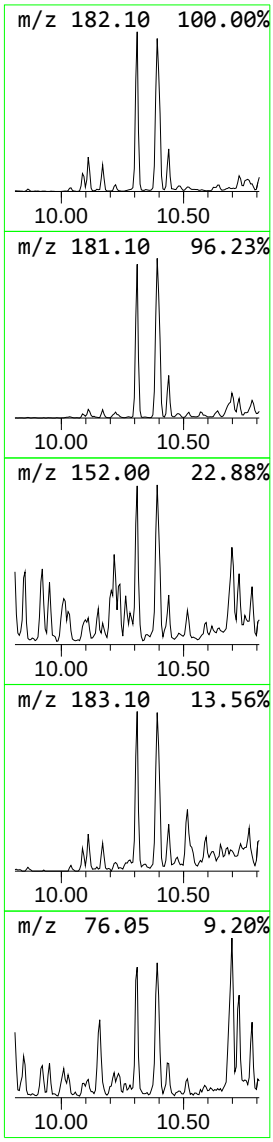
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.310	13.59 ng	464661	Acenaphthene-d10	9.604

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	90
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
3	9H-Fluoren-3-ol	182	C13H10O	006344-67-8	81
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
5	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	72





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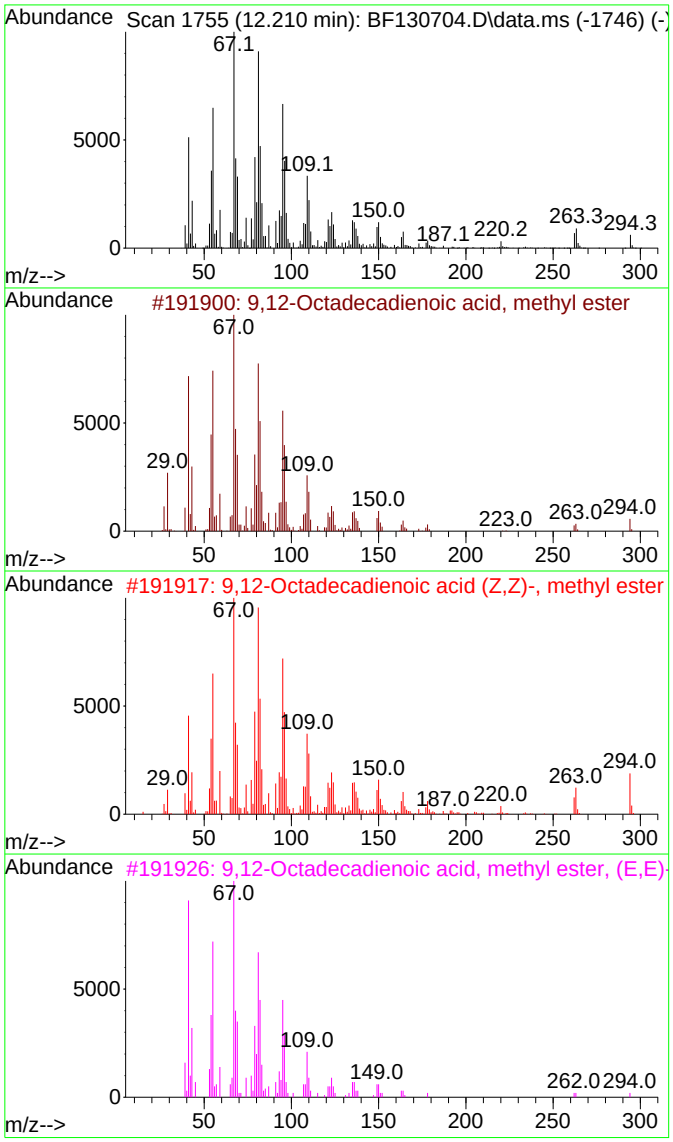
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

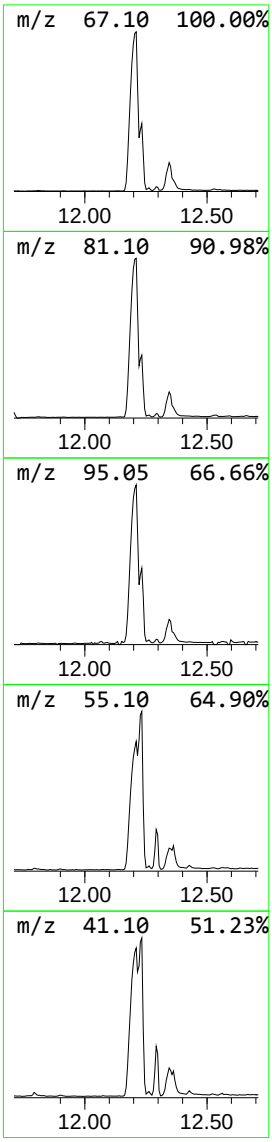
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 9,12-Octadecadienoic acid, ... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.210	37.54 ng	21180200	Phenanthrene-d10	11.092

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99
2	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
3	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
4	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	99
5	Methyl 9-cis,11-trans-octadecadi...	294	C19H34O2	013058-52-1	99





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Operator : CG\JU
Sample : N5172-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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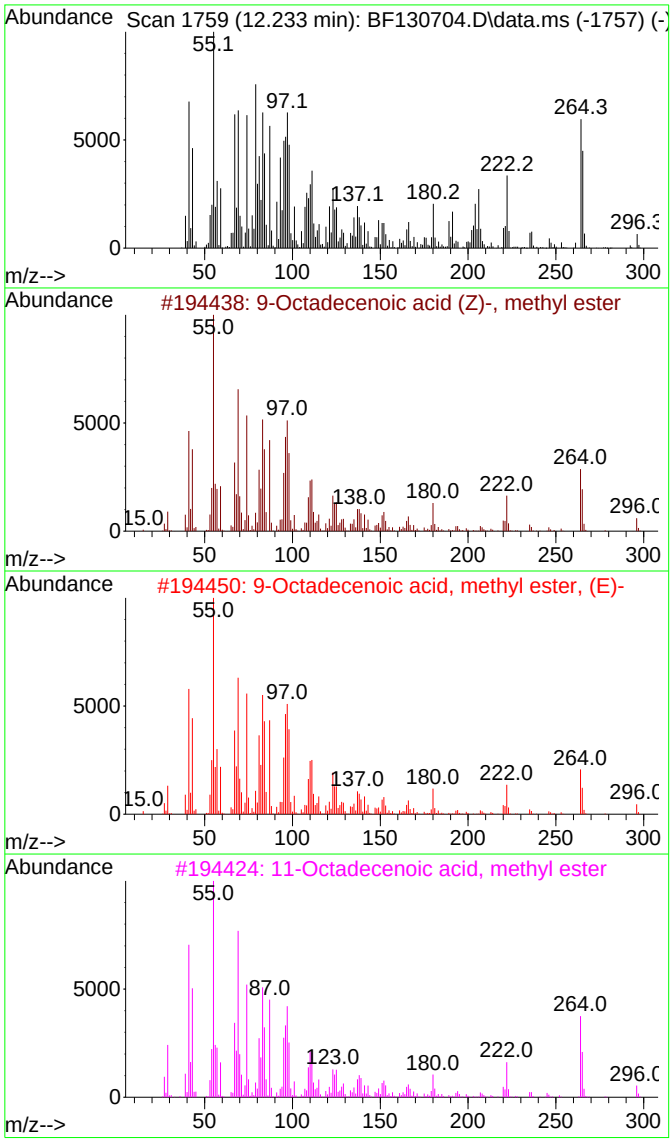
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

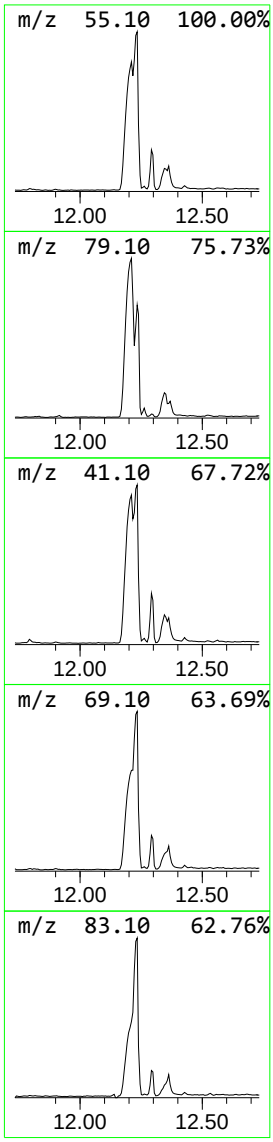
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 9-Octadecenoic acid (Z)-, m... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.233	15.12 ng	8530370	Phenanthrene-d10	11.092

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	99
2	9-Octadecenoic acid, methyl este...	296	C19H36O2	001937-62-8	99
3	11-Octadecenoic acid, methyl ester	296	C19H36O2	052380-33-3	99
4	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	99
5	14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	98





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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
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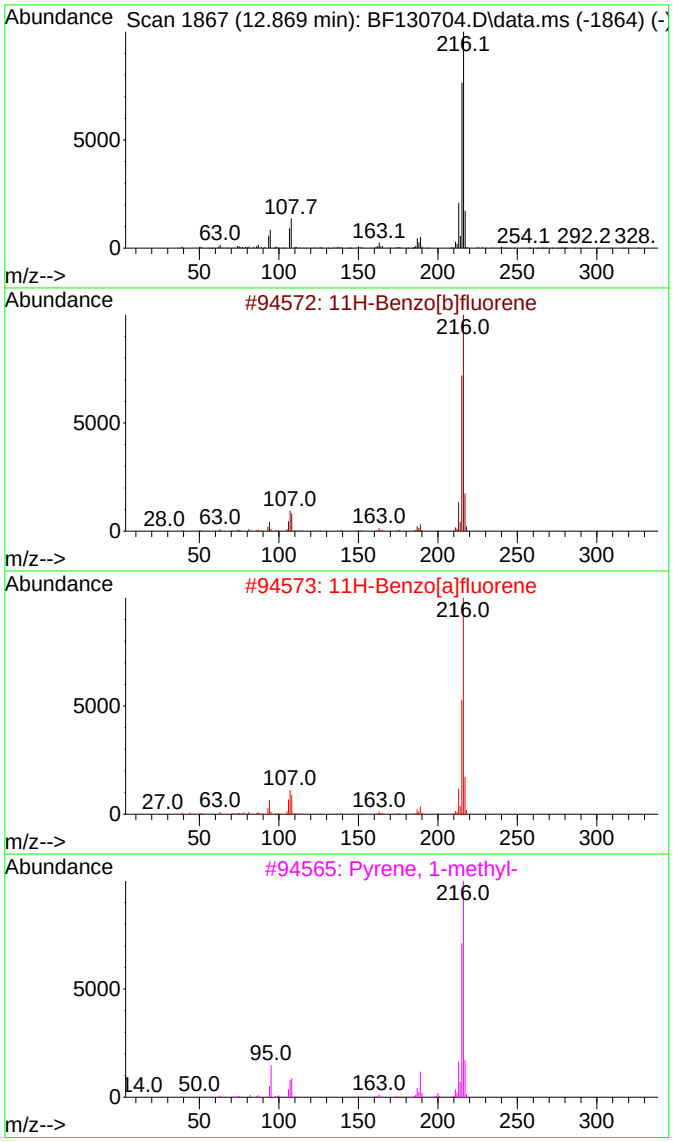
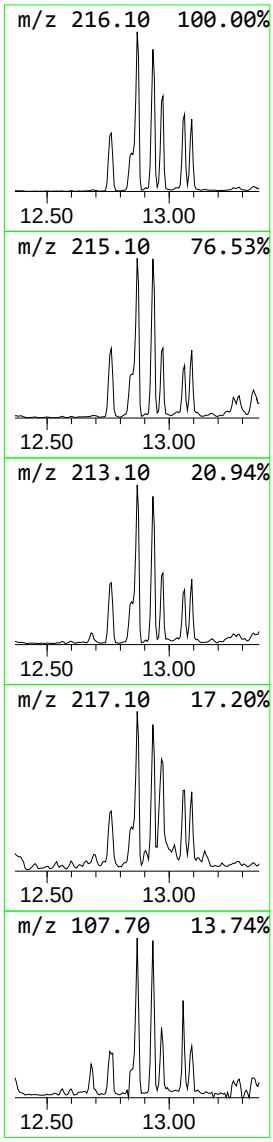
Peak Number 13 11H-Benzo[b]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.869	7.56 ng	2071140	Chrysene-d12	13.739

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	97
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





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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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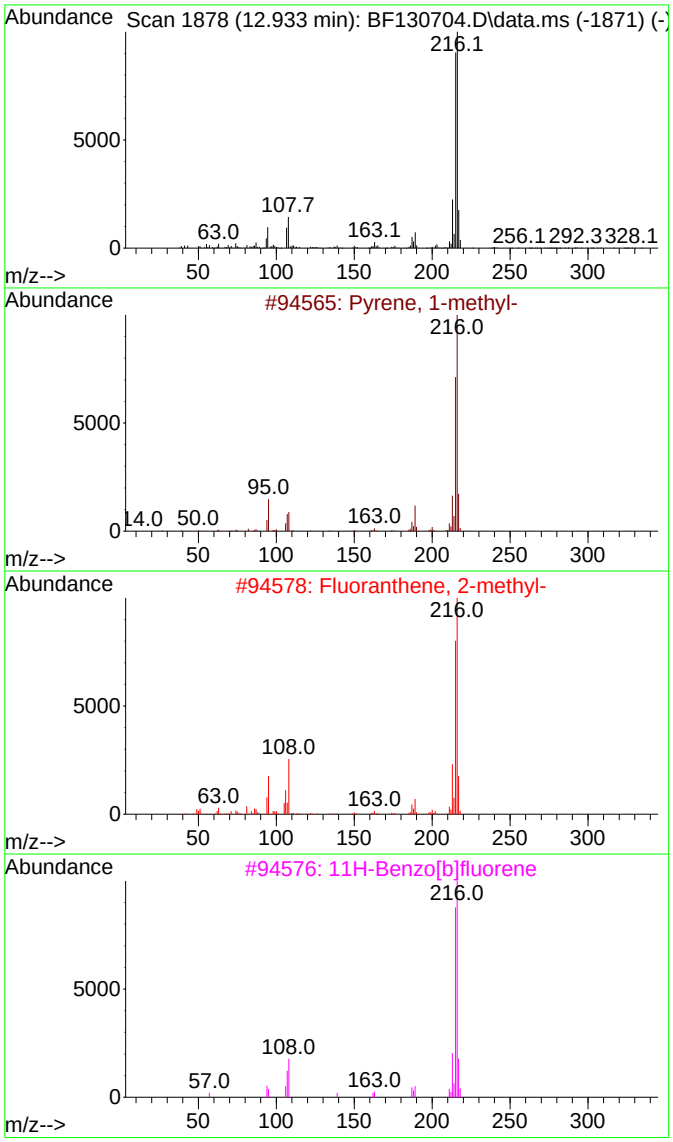
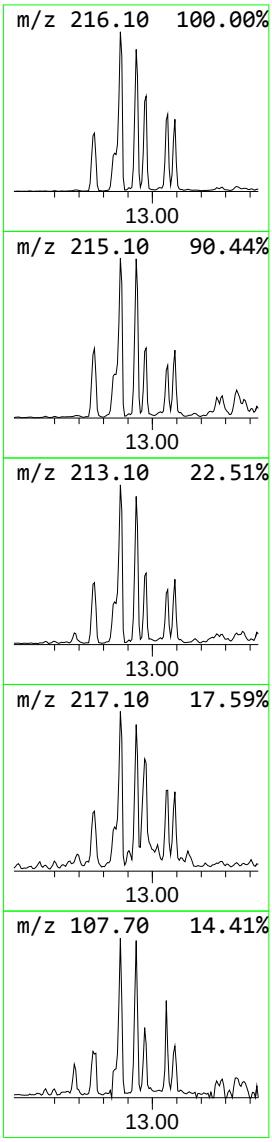
Peak Number 14 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.933	8.14 ng	2232390	Chrysene-d12	13.739

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	53





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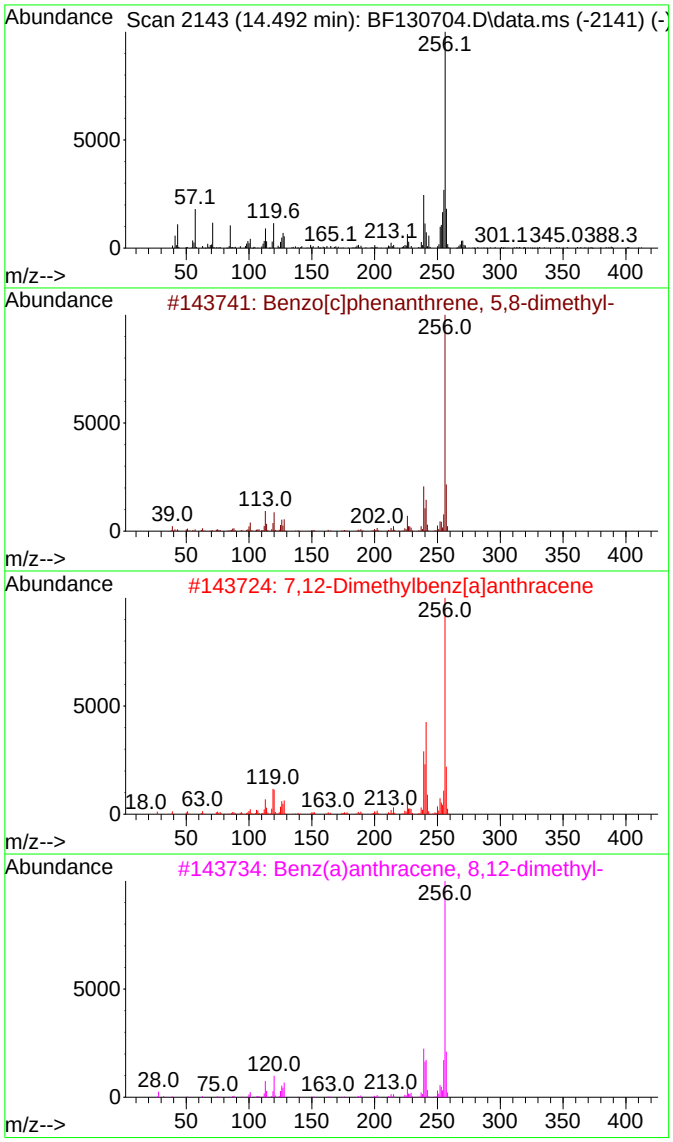
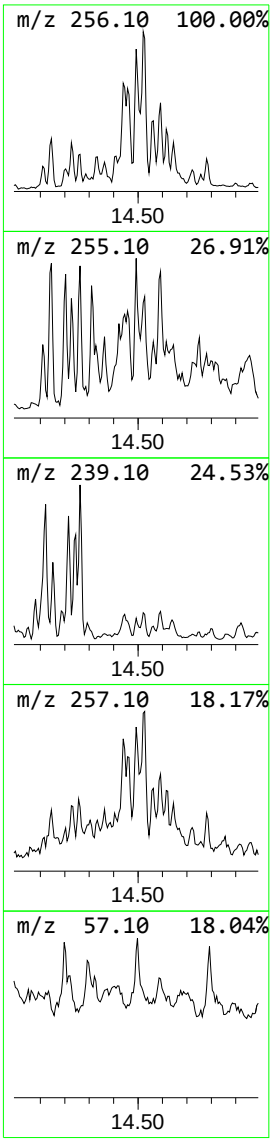
Peak Number 15 Benzo[c]phenanthrene, 5,8-d... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.492	17.64 ng	254340	Perylene-d12	15.116

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	89
2	7,12-Dimethylbenz[a]anthracene	256	C20H16	000057-97-6	86
3	Benz(a)anthracene, 8,12-dimethyl-	256	C20H16	020627-31-0	86
4	Benz(a)anthracene, 4,7-dimethyl-	256	C20H16	035187-18-9	68
5	Benzene, 1,1',1''-(1-ethenyl-2-y...	256	C20H16	000058-72-0	64





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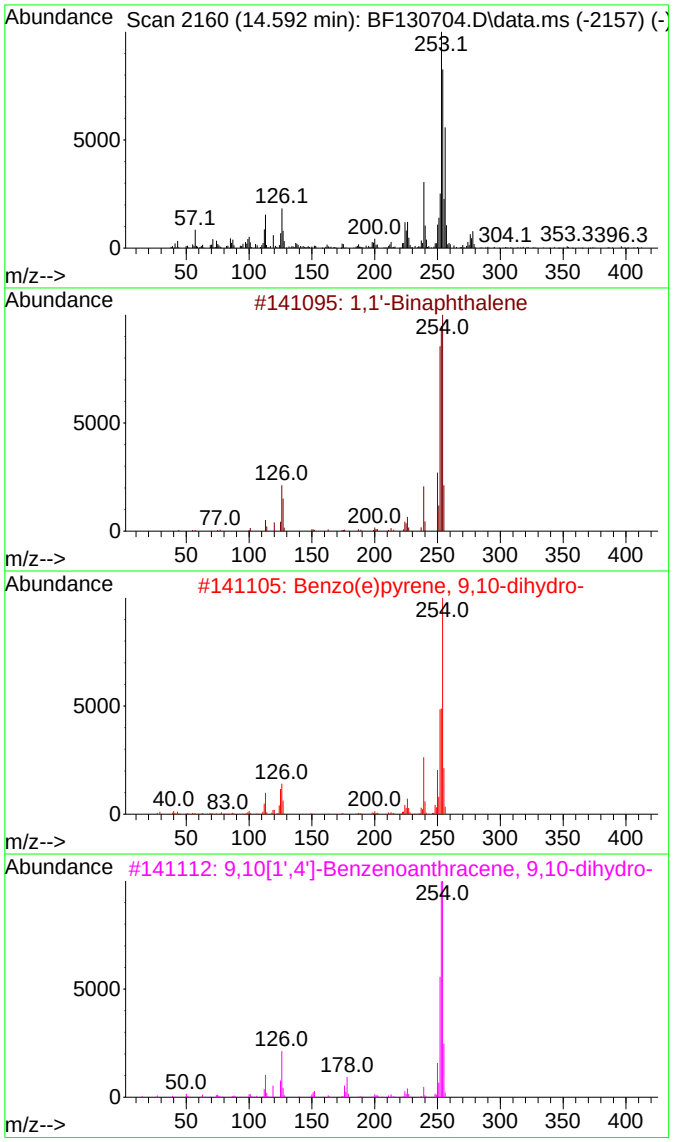
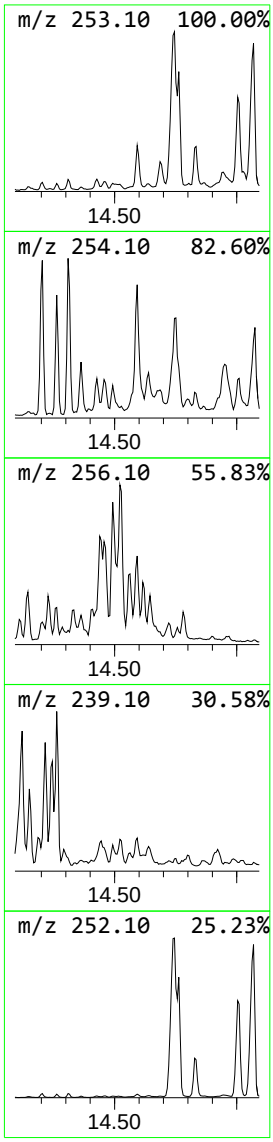
Peak Number 16 1,1'-Binaphthalene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.592	23.60 ng	340336	Perylene-d12	15.116

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Binaphthalene	254	C20H14	000604-53-5	93
2	Benzo(e)pyrene, 9,10-dihydro-	254	C20H14	066788-01-0	78
3	9,10[1',4']-Benzenoanthracene, 9...	254	C20H14	1000487-02-7	64
4	4,6'-Biazulenyl	254	C20H14	094154-49-1	60
5	Phenanthrene, 1-phenyl-	254	C20H14	004325-76-2	60





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101822\
Data File : BF130704.D
Acq On : 18 Oct 2022 18:20
Operator : CG\JU
Sample : N5172-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BU-02-101722

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101122.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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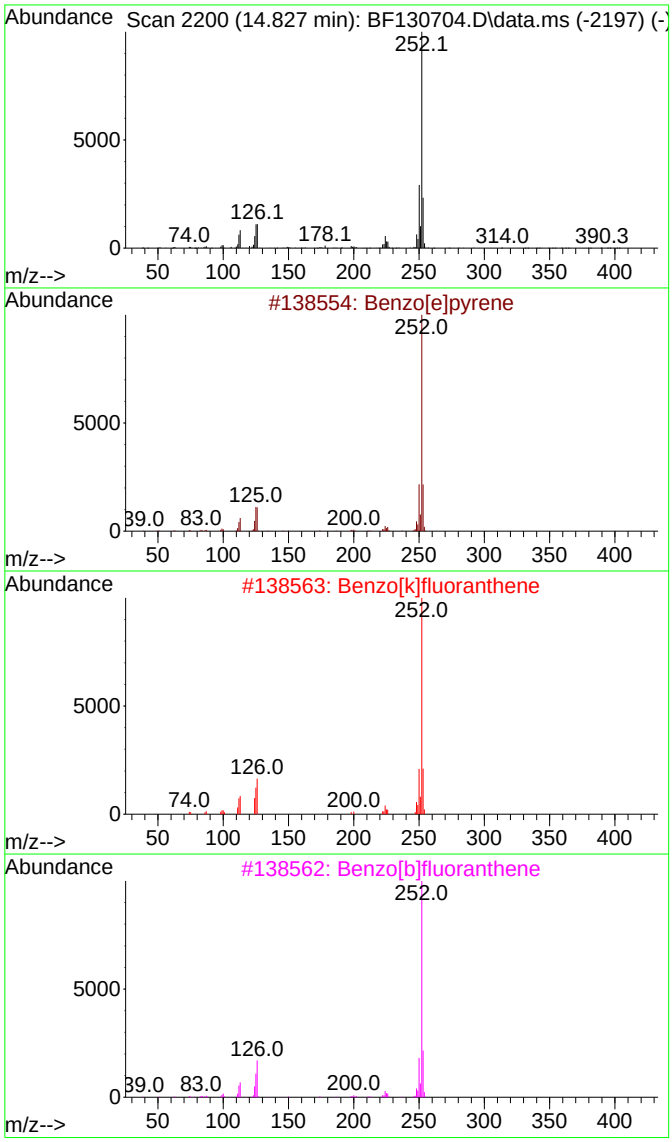
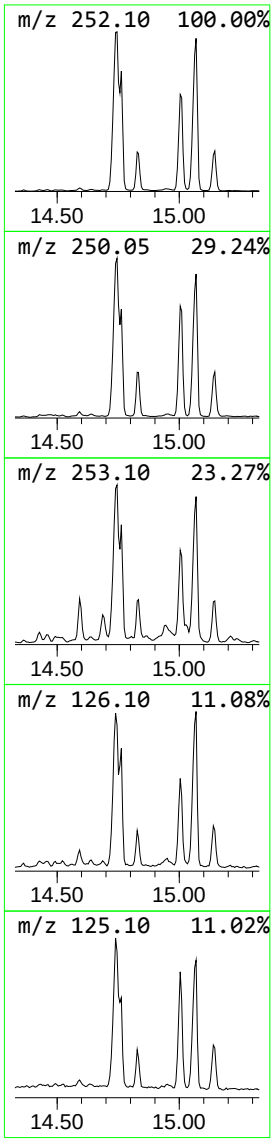
Peak Number 17 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.827	36.40 ng	524952	Perylene-d12	15.116

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	91
5	Perylene	252	C20H12	000198-55-0	81





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Data File : BF130704.D
Acq On : 18 Oct 2022 18:20
Operator : CG\JU
Sample : N5172-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BU-02-101722

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101122.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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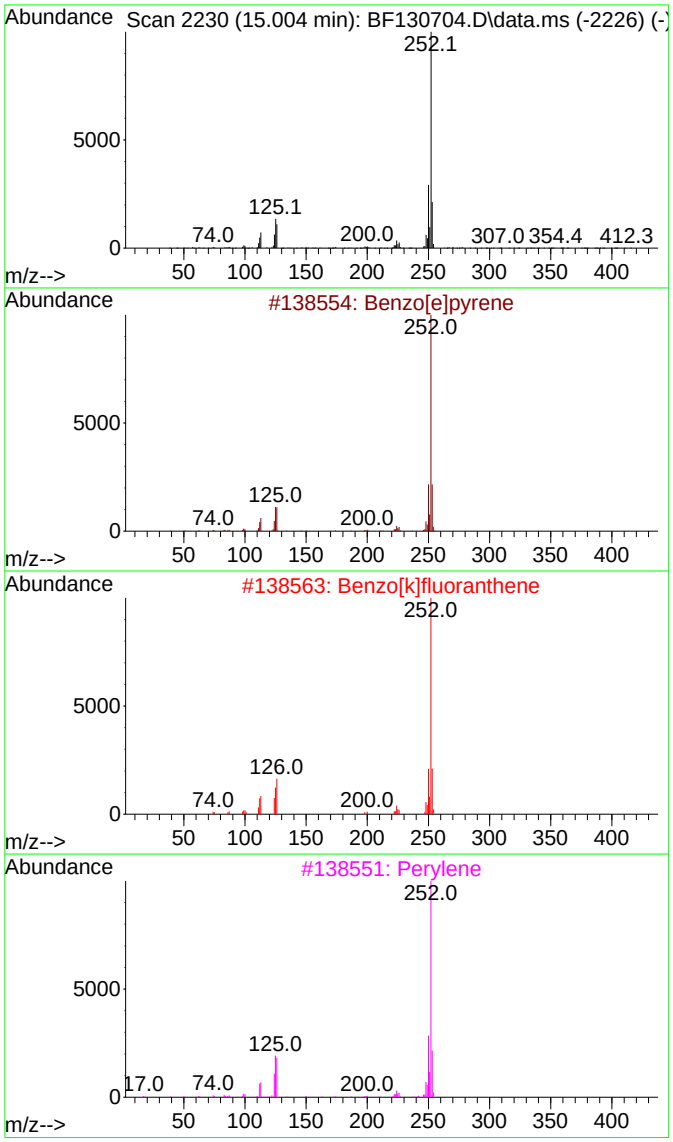
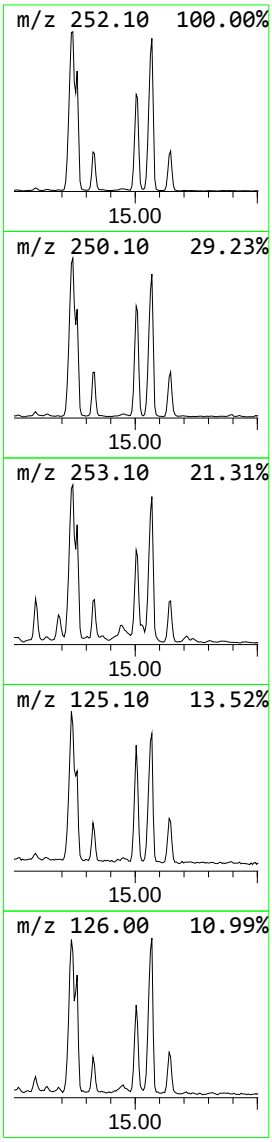
Peak Number 18 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.004	98.48 ng	1420130	Perylene-d12	15.116

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Perylene	252	C20H12	000198-55-0	97
4	Benzo[a]pyrene	252	C20H12	000050-32-8	96
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93





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Data File : BF130704.D
Acq On : 18 Oct 2022 18:20
Operator : CG\JU
Sample : N5172-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BU-02-101722

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101122.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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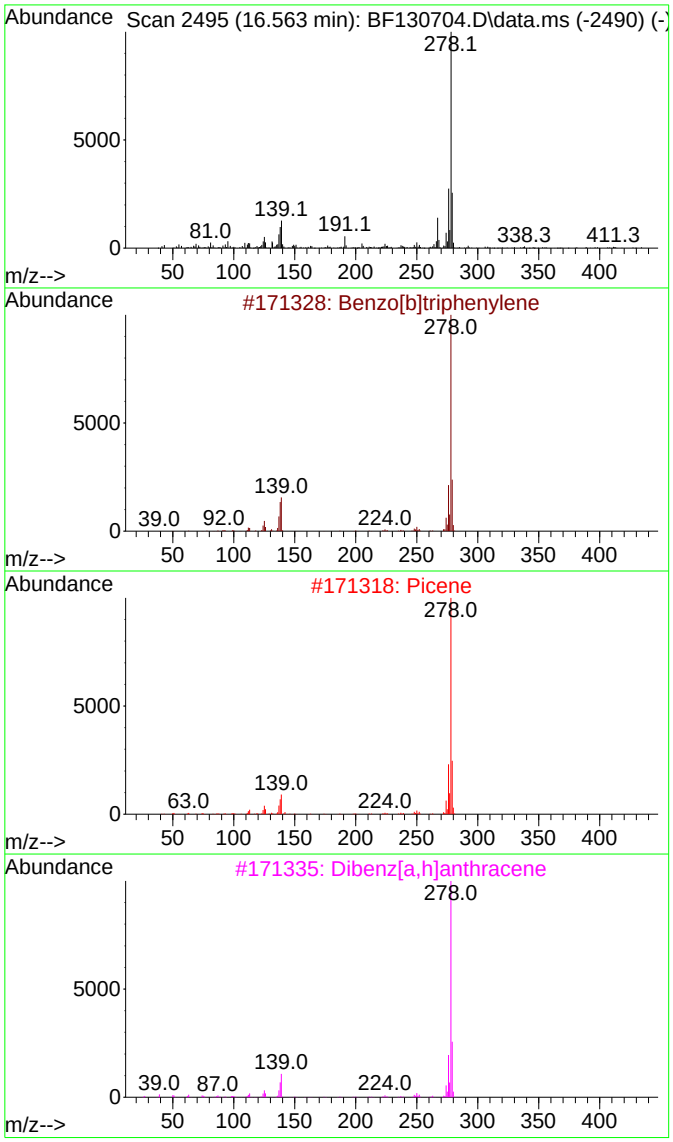
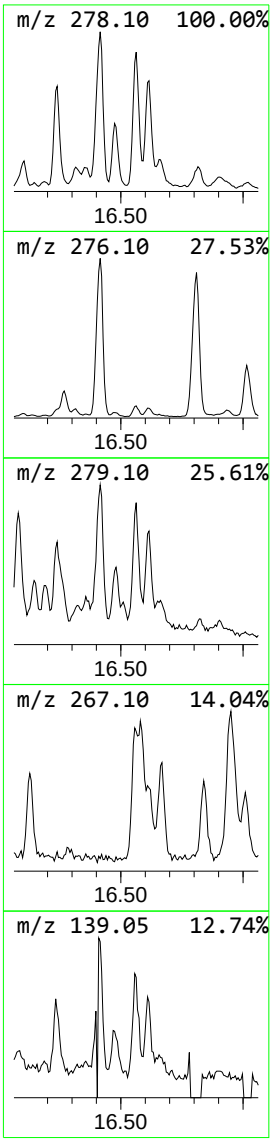
Peak Number 19 Benzo[b]triphenylene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.563	27.72 ng	399687	Perylene-d12	15.116

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	98
2	Picene	278	C22H14	000213-46-7	98
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	98
4	Benzo[a]naphthacene	278	C22H14	000226-88-0	96
5	Benzo[b]chrysene	278	C22H14	000214-17-5	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101822\
Data File : BF130704.D
Acq On : 18 Oct 2022 18:20
Operator : CG\JU
Sample : N5172-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BU-02-101722

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101122.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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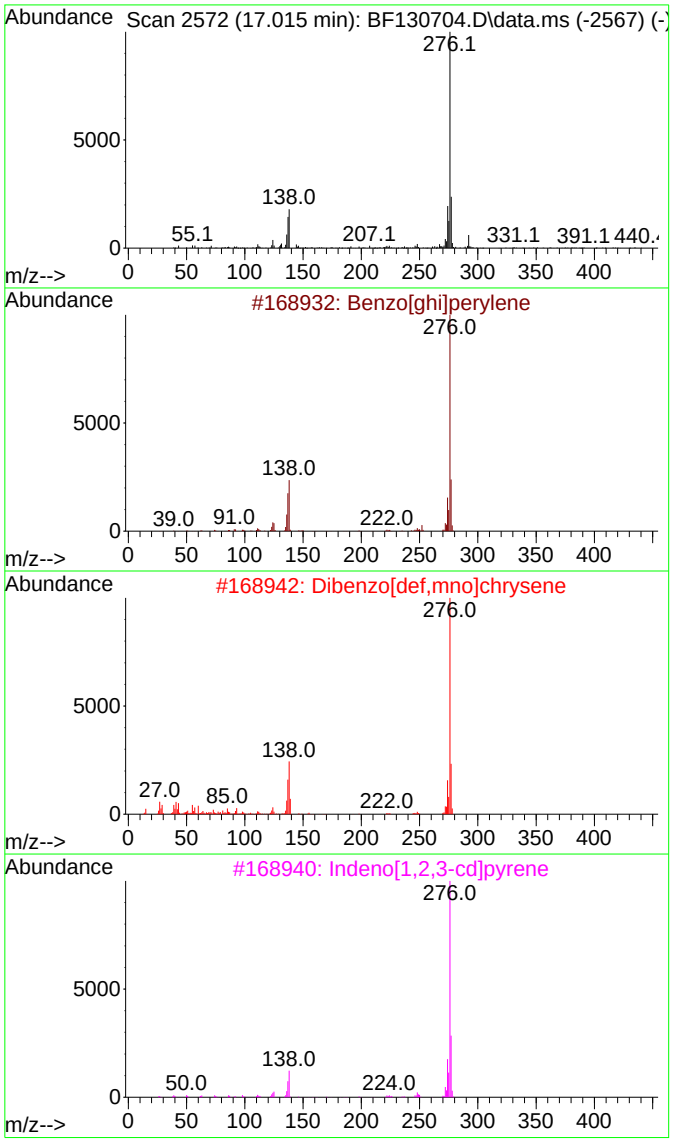
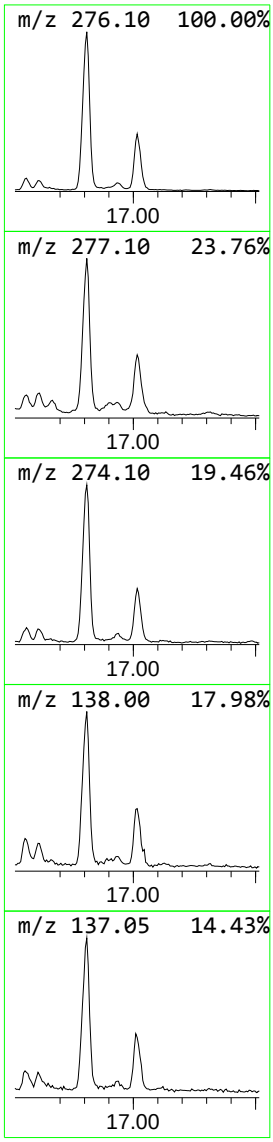
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.015	38.17 ng	550398	Perylene-d12	15.116

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]perylene	276	C22H12	000191-24-2	94
2	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	93
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	89
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	68
5	4-(2-(3-Nitrophenyl)ethenyl)quin...	276	C17H12N2O2	074839-90-0	52





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101822\
Data File : BF130704.D
Acq On : 18 Oct 2022 18:20
Operator : CG\JU
Sample : N5172-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BU-02-101722

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101122.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-...	4.740	15.1	ng	259645	1	6.575	344555	20.0
Naphthalene, 2-...	9.122	8.3	ng	284557	3	9.604	684063	20.0
Naphthalene, 1,...	9.198	30.2	ng	1033850	3	9.604	684063	20.0
Naphthalene, 2,...	9.269	36.1	ng	1235550	3	9.604	684063	20.0
Naphthalene, 2,...	9.292	20.5	ng	699730	3	9.604	684063	20.0
Naphthalene, 1,...	9.381	18.0	ng	614755	3	9.604	684063	20.0
Naphthalene, 1,...	9.922	11.4	ng	391279	3	9.604	684063	20.0
Naphthalene, 2,...	10.010	10.1	ng	345923	3	9.604	684063	20.0
1-Isopropenylna...	10.216	9.2	ng	314276	3	9.604	684063	20.0
[1,1'-Biphenyl]...	10.310	13.6	ng	464661	3	9.604	684063	20.0
9,12-Octadecadi...	12.210	37.5	ng	21180200	4	11.092	11283100	20.0
9-Octadecenoic ...	12.233	15.1	ng	8530370	4	11.092	11283100	20.0
11H-Benzo[b]flu...	12.869	7.6	ng	2071140	5	13.739	5482480	20.0
Pyrene, 1-methyl-	12.933	8.1	ng	2232390	5	13.739	5482480	20.0
Benzo[c]phenant...	14.492	17.6	ng	254340	6	15.116	288412	20.0
1,1'-Binaphthalene	14.592	23.6	ng	340336	6	15.116	288412	20.0
Benzo[e]pyrene	14.827	36.4	ng	524952	6	15.116	288412	20.0
Perylene	15.004	98.5	ng	1420130	6	15.116	288412	20.0
Benzo[b]triphen...	16.563	27.7	ng	399687	6	15.116	288412	20.0
Dibenzo[def,mno...	17.015	38.2	ng	550398	6	15.116	288412	20.0