LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051921\
Data File : BF123994.D
Acq On : 19 May 2021 17:15
Operator : JU/CG
Sample : M2439-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RO-282

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-BF051421.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF123994.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.169	8	14	20	rVB	530640	672953	47.62%	3.903%
2	2.281	29	33	42	rVB2	38994	53539	3.79%	0.310%
3	5.122	512	516	522	rVB	54737	63712	4.51%	0.369%
4	5.522	579	584	587	rBV	1245455	1195680	84.61%	6.934%
5	6.528	749	755	758	rBV	1241349	1223996	86.61%	7.098%
6	6.728	786	789	795	rBV	73556	62673	4.43%	0.363%
7	6.904	815	819	822	rBV	380805	288627	20.42%	1.674%
8	7.463	910	914	917	rBV	964353	812087	57.46%	4.710%
9	8.186	1034	1037	1040	rBV	499637	365791	25.88%	2.121%
10	9.263	1216	1220	1223	rBV	1818789	1413222	100.00%	8.196%
11	9.380	1236	1240	1243	rVB	274991	246655	17.45%	1.430%
12	9.651	1283	1286	1290	rBV	227619	182016	12.88%	1.056%
13	9.804	1309	1312	1315	rBV	35462	24714	1.75%	0.143%
14	9.916	1329	1331	1333	rBV	35325	29083	2.06%	0.169%
15	9.945	1333	1336	1339	rVB	509262	410109	29.02%	2.378%
16	10.522	1431	1434	1441	rVB	258660	205049	14.51%	1.189%
17	10.727	1465	1469	1473	rBV	932525	881879	62.40%	5.114%
18	10.857	1482	1491	1494	rVB6	13700	19372	1.37%	0.112%
19	11.286	1558	1564	1569	rBV6	11024	19936	1.41%	0.116%
20	11.427	1585	1588	1591	rBV	446910	393541	27.85%	2.282%
21	11.451	1591	1592	1595	rVV	187145	122208	8.65%	0.709%
22	11.504	1599	1601	1604	rVB	35788	25925	1.83%	0.150%
23	11.657	1622	1627	1630	rBV2	34358	42900	3.04%	0.249%
24	11.933	1668	1674	1675	rBV	40451	42297	2.99%	0.245%
25	11.957	1675	1678	1681	rVV2	131324	129917	9.19%	0.753%
26	12.045	1689	1693	1695	rBV2	53151	61184	4.33%	0.355%
27	12.063	1695	1696	1701	rVB3	28081	22620	1.60%	0.131%
28	12.163	1710	1713	1718	rVB4	44931	41544	2.94%	0.241%
29	12.227	1721	1724	1725	rVV	22624	21746	1.54%	0.126%
30	12.245	1725	1727	1732	rVB	43108	40027	2.83%	0.232%
31	12.474	1763	1766	1770	rBV2	130601	144282	10.21%	0.837%
32	12.516	1770	1773	1775	rVV2	27786	29343	2.08%	0.170%
33	12.563	1779	1781	1788	rVB5	39372	54441	3.85%	0.316%
34	12.645	1791	1795	1798	rVV	539687	439181	31.08%	2.547%
35	12.674	1798	1800	1804	rVV2	75021	64148	4.54%	0.372%
36	12.739	1808	1811	1814	rBV2	39481	35316	2.50%	0.205%

LSC Area Percent Report

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Sample : M2439-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RO-282

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-BF051421.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.768	1814	1816	1819	rBV3	15889	17739	1.26%	0.103%
38	12.874	1826	1834	1837	rBV	465127	480074	33.97%	2.784%
39	12.921	1839	1842	1846	rVB2	25544	35825	2.53%	0.208%
40	12.957	1846	1848	1852	rBV4	22750	28400	2.01%	0.165%
41	13.016	1854	1858	1866	rVB	1473381	1279765	90.56%	7.422%
42	13.092	1866	1871	1874	rBV3	48028	82576	5.84%	0.479%
43	13.116	1874	1875	1878	rVB3	19804	17818	1.26%	0.103%
44	13.174	1882	1885	1887	rBV4	39507	44814	3.17%	0.260%
45	13.198	1887	1889	1892	rVV	95699	84956	6.01%	0.493%
46	13.233	1892	1895	1898	rVV5	35955	43830	3.10%	0.254%
47	13.268	1898	1901	1903	rVV2	52785	46188	3.27%	0.268%
48	13.304	1903	1907	1909	rVV2	68345	71687	5.07%	0.416%
49	13.327	1909	1911	1914	rVB3	24632	23602	1.67%	0.137%
50	13.363	1914	1917	1920	rBV5	21751	29258	2.07%	0.170%
51	13.392	1920	1922	1925	rVB2	55338	46720	3.31%	0.271%
52	13.427	1925	1928	1933	rBV4	48438	55781	3.95%	0.323%
53	13.604	1951	1958	1964	rBV4	69054	135830	9.61%	0.788%
54	13.680	1968	1971	1973	rVV4	17003	22923	1.62%	0.133%
55	13.704	1973	1975	1980	rVB	66756	76334	5.40%	0.443%
56	13.751	1980	1983	1985	rBV4	14309	19650	1.39%	0.114%
57	13.774	1985	1987	1990	rVB	79421	68414	4.84%	0.397%
58	13.821	1990	1995	1998	rBV2	73692	110660	7.83%	0.642%
59	13.851	1998	2000	2002	rVV	55056	48992	3.47%	0.284%
60	13.874	2002	2004	2007	rVV2	42149	56937	4.03%	0.330%
61	13.910	2007	2010	2017	rVB2	225739	243194	17.21%	1.410%
62	13.992	2022	2024	2030	rVV5	18309	26436	1.87%	0.153%
63	14.068	2030	2037	2040	rVV3	480780	936322	66.25%	5.430%
64	14.098	2040	2042	2047	rVB	326410	288803	20.44%	1.675%
65	14.286	2071	2074	2079	rBV2	38162	61588	4.36%	0.357%
66	14.327	2079	2081	2084	rVB4	21458	20200	1.43%	0.117%
67	14.421	2095	2097	2099	rBV2	20495	19307	1.37%	0.112%
68	14.457	2099	2103	2106	rVV	73447	83053	5.88%	0.482%
69	14.492	2106	2109	2112	rVB5	67876	71760	5.08%	0.416%
70	14.551	2112	2119	2122	rBV6	101558	155378	10.99%	0.901%
71	14.580	2122	2124	2126	rVV3	52427	45277	3.20%	0.263%
72	14.604	2126	2128	2131	rVB3	37296	31879	2.26%	0.185%
73	14.657	2133	2137	2142	rVB6	57004	104691	7.41%	0.607%
74	14.704	2142	2145	2150	rBV7	42543	66435	4.70%	0.385%
75	14.757	2152	2154	2155	rBV2	21750	17484	1.24%	0.101%
76	14.804	2160	2162	2165	rVB4	26984	24692	1.75%	0.143%

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Sample : M2439-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RO-282

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

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.898	2175	2178	2180	rVB3	28229	28955	2.05%	0.168%
78	15.010	2194	2197	2199	rVB3	43134	37012	2.62%	0.215%
79	15.127	2213	2217	2220	rBV	271713	428413	30.31%	2.485%
80	15.209	2227	2231	2233	rBV3	62970	78632	5.56%	0.456%
81	15.233	2233	2235	2240	rVB2	111378	132883	9.40%	0.771%
82	15.327	2248	2251	2259	rBV9	23413	52120	3.69%	0.302%
83	15.439	2265	2270	2276	rVB	175635	226363	16.02%	1.313%
84	15.504	2276	2281	2288	rVV	209846	261951	18.54%	1.519%
85	15.568	2288	2292	2295	rVV	227826	280260	19.83%	1.625%
86	15.598	2295	2297	2304	rVB4	79213	113435	8.03%	0.658%
87	15.745	2318	2322	2323	rBV4	16142	20886	1.48%	0.121%
88	16.056	2371	2375	2379	rVB2	58945	79405	5.62%	0.460%
89	16.109	2381	2384	2387	rVV5	26085	37582	2.66%	0.218%
90	16.139	2387	2389	2393	rVB4	20134	23041	1.63%	0.134%
91	16.304	2413	2417	2419	rBV4	16995	25999	1.84%	0.151%
92	16.886	2509	2516	2525	rVB4	35563	92835	6.57%	0.538%
93	17.068	2541	2547	2555	rVB3	85434	164486	11.64%	0.954%
94	17.527	2618	2625	2632	rVB2	64750	126525	8.95%	0.734%
95	17.698	2650	2654	2659	rVB8	14978	25579	1.81%	0.148%

Sum of corrected areas: 17243347

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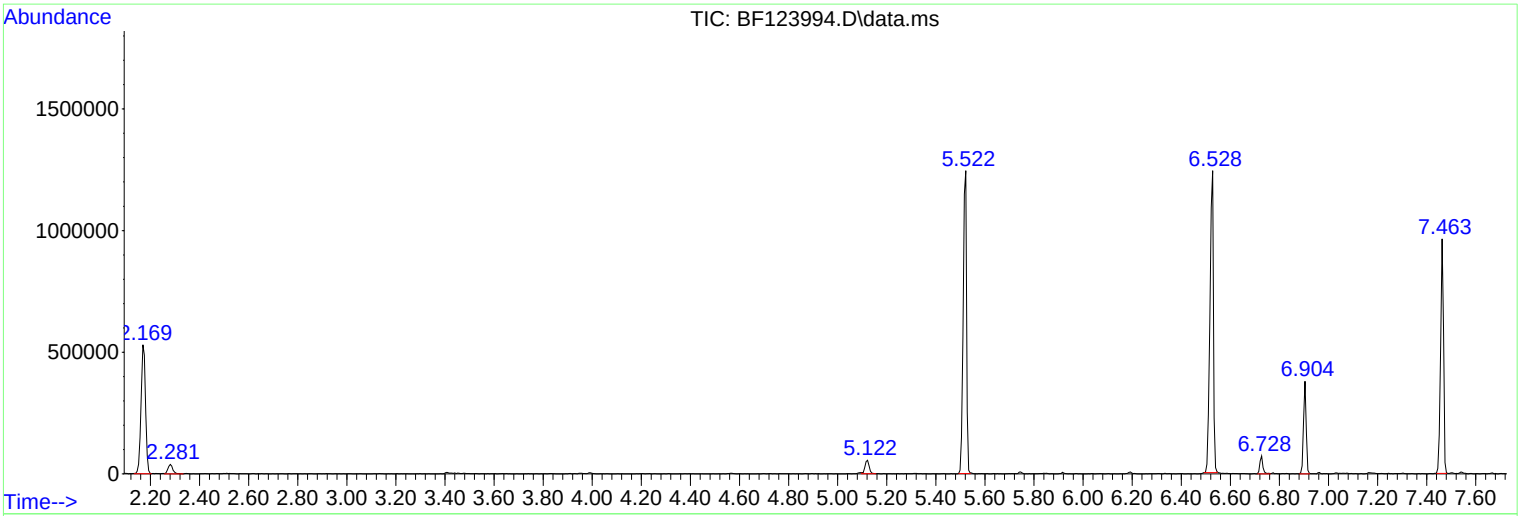
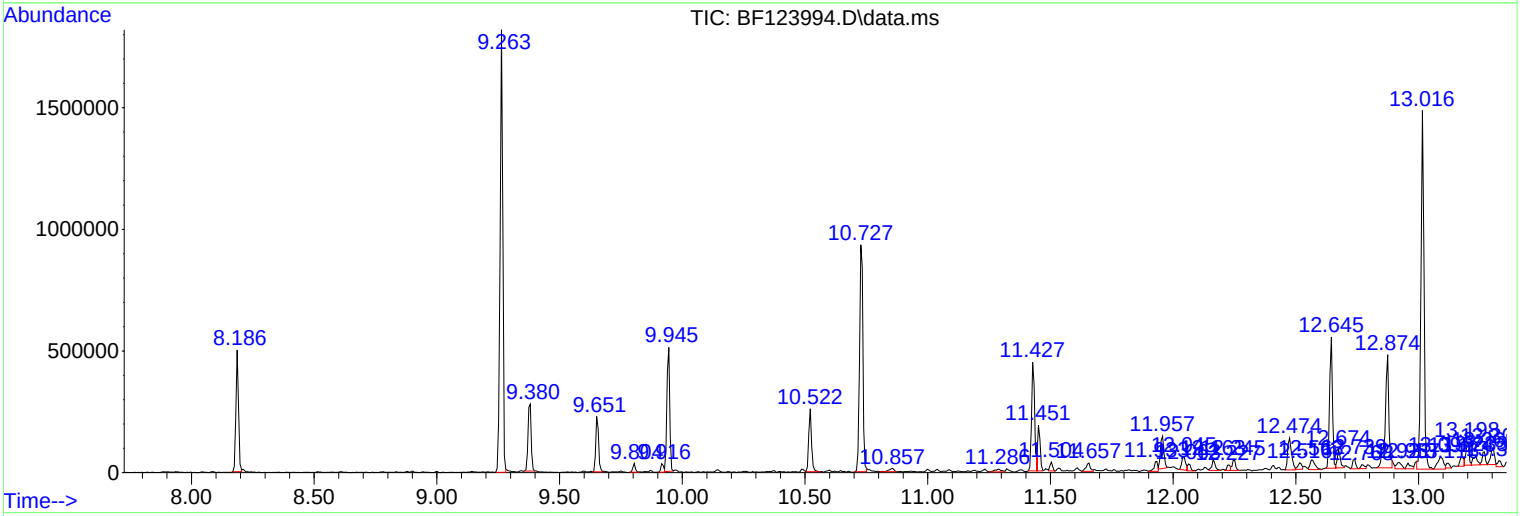
Misc :
ALS Vial : 12 Sample Multiplier: 1

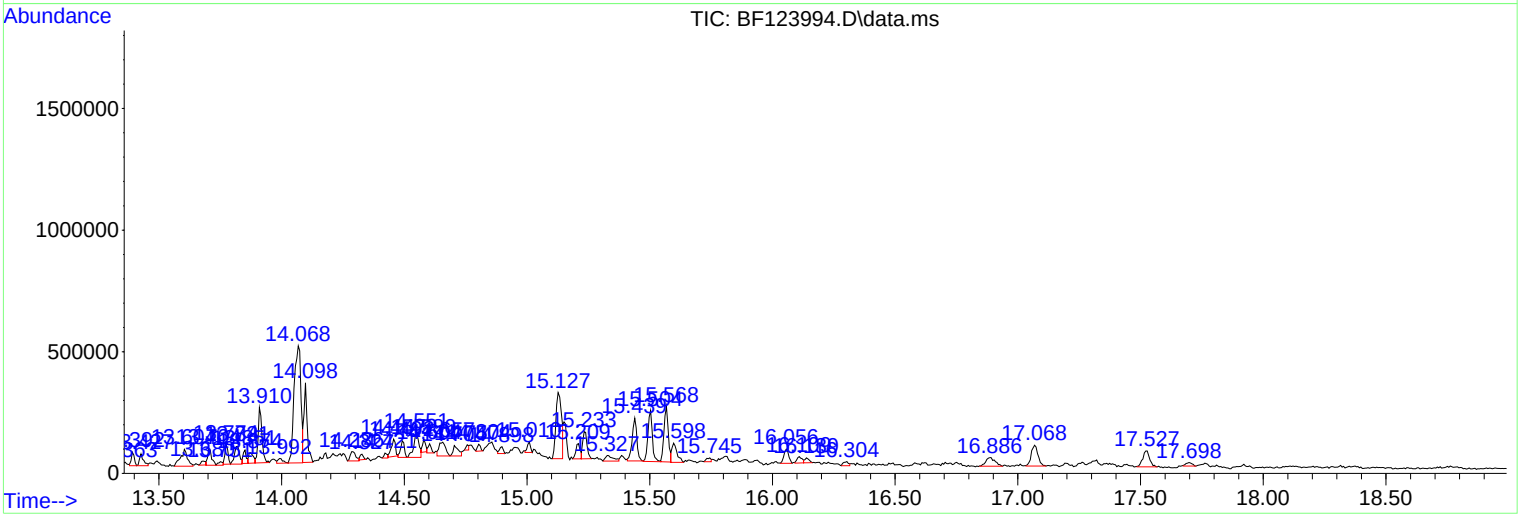
Instrument :
BNA_F
ClientSampleId :
RO-282

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051921\
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Instrument : BNA_F
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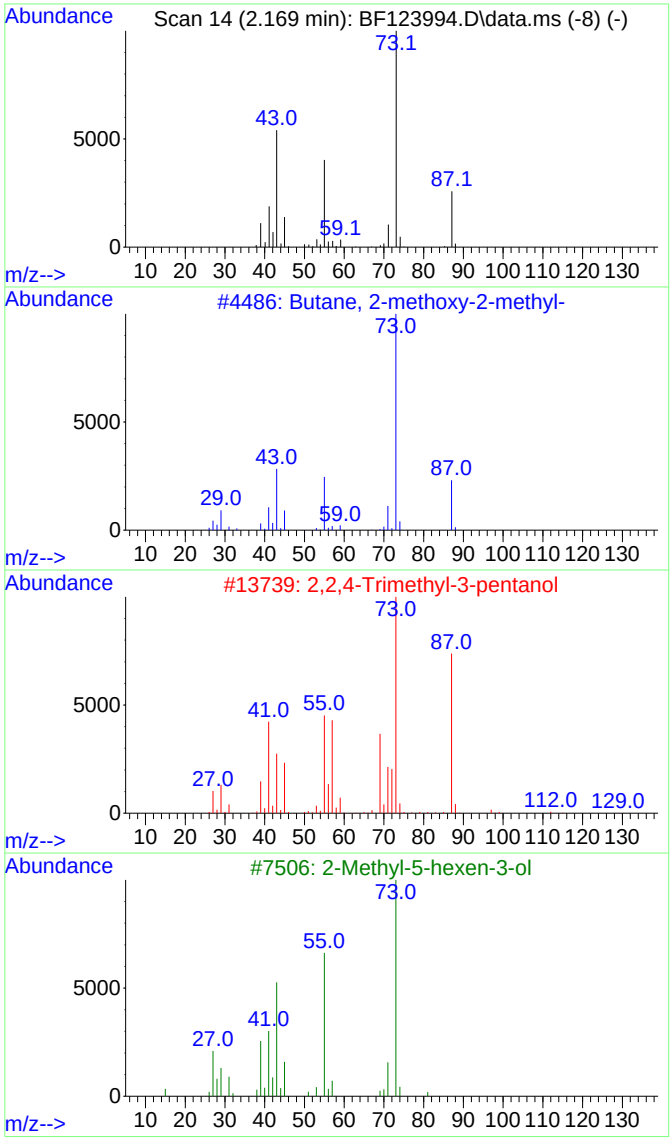
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

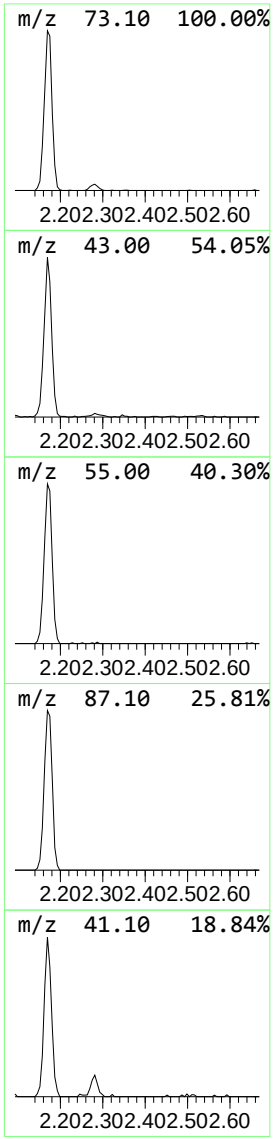
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.169	46.63 ng	672953	1,4-Dichlorobenzene-d4	6.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	23
4	1-Propene-1-thiol	74	C3H6S	000925-89-3	9
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051921\
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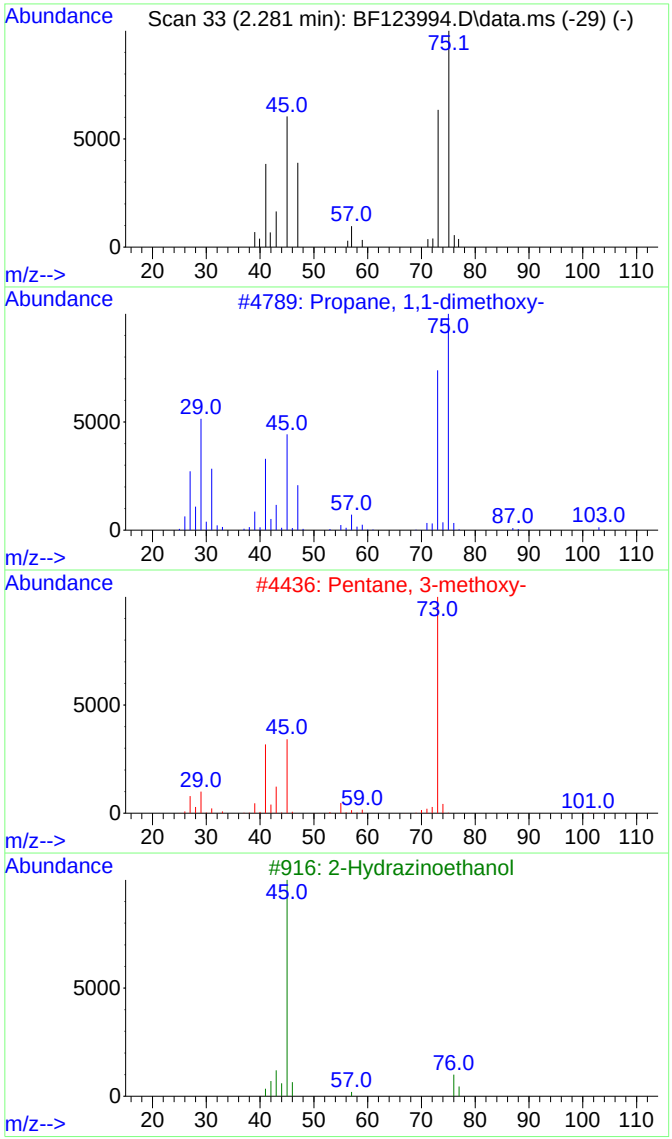
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

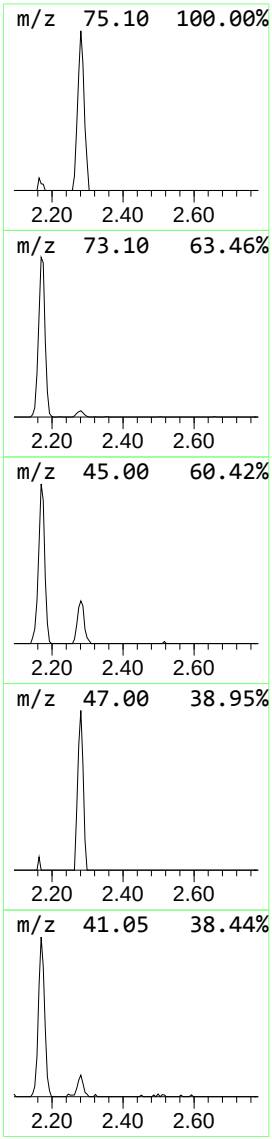
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Propane, 1,1-dimethoxy- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.281	3.71 ng	53539	1,4-Dichlorobenzene-d4	6.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1,1-dimethoxy-	104	C5H12O2	004744-10-9	64
2	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	14
3	2-Hydrazinoethanol	76	C2H8N2O	000109-84-2	9
4	Isoxazolidine	73	C3H7NO	000504-72-3	9
5	Formamide, N-methylthio	75	C2H5NS	018952-41-5	9





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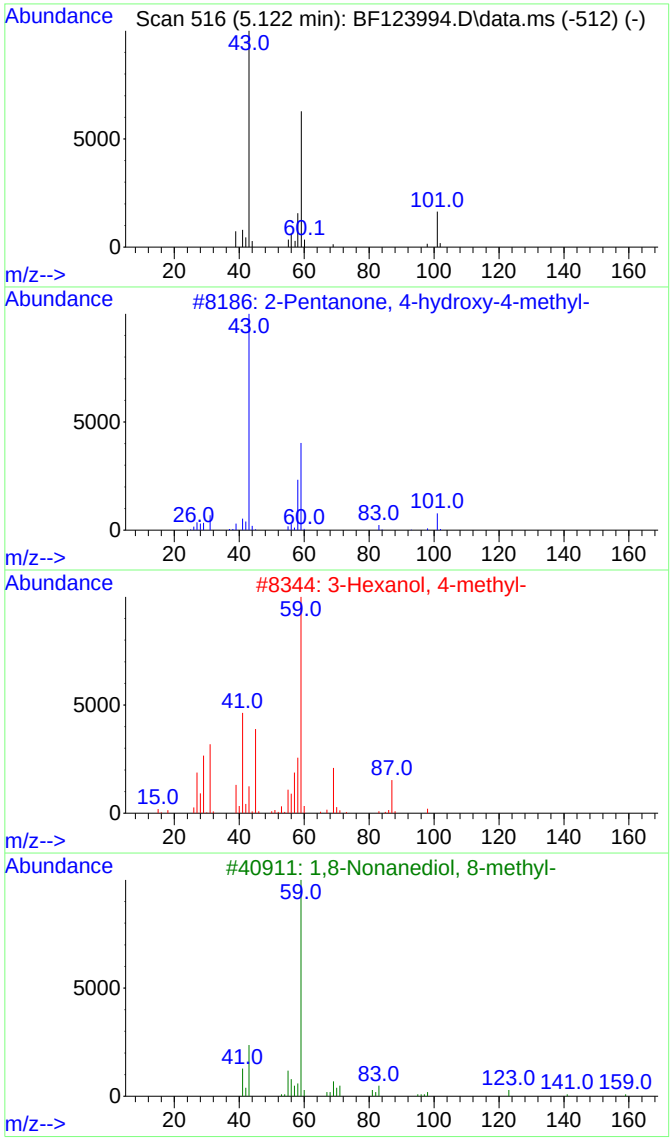
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

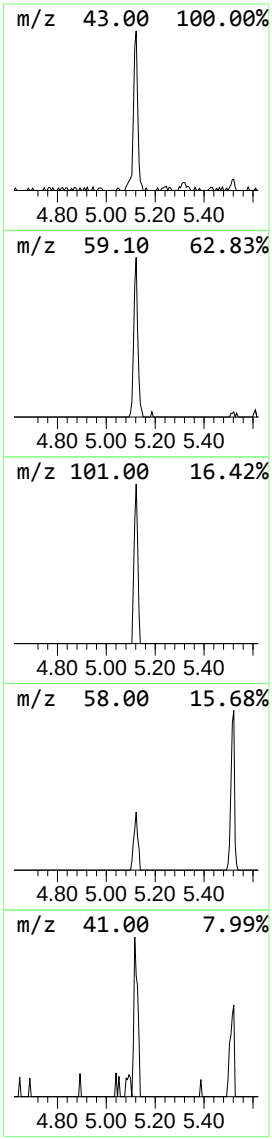
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.122	4.41 ng	63712	1,4-Dichlorobenzene-d4	6.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3	1,8-Nonanediol, 8-methyl-	174	C10H22O2	054725-73-4	28
4	4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	9
5	Diacetamide	101	C4H7NO2	000625-77-4	9





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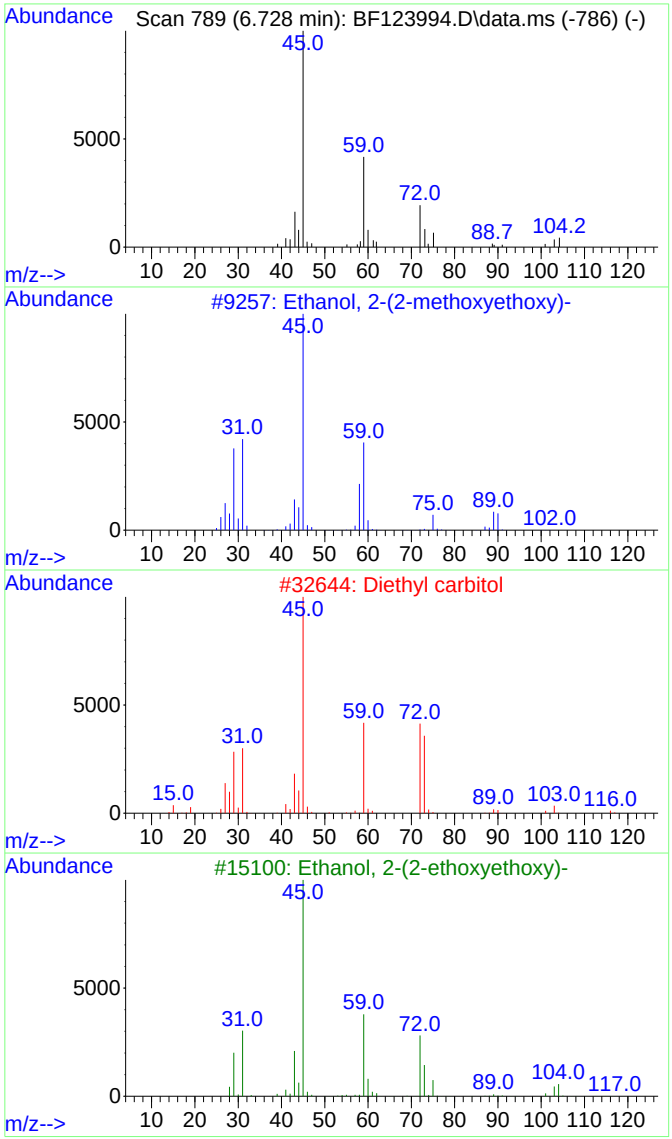
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

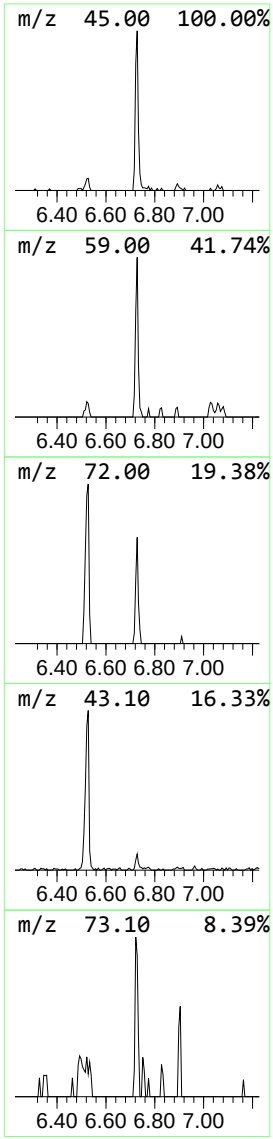
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Ethanol, 2-(2-methoxyethoxy)- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.728	4.34 ng	62673	1,4-Dichlorobenzene-d4	6.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(2-methoxyethoxy)-	120	C5H12O3	000111-77-3	59
2	Diethyl carbitol	162	C8H18O3	000112-36-7	50
3	Ethanol, 2-(2-ethoxyethoxy)-	134	C6H14O3	000111-90-0	47
4	2-Propanol, 1-(1-methylethoxy)-	118	C6H14O2	003944-36-3	45
5	Carbonic acid, dimethyl ester	90	C3H6O3	000616-38-6	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051921\
Data File : BF123994.D
Acq On : 19 May 2021 17:15
Operator : JU/CG
Sample : M2439-03
Misc :
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Instrument : BNA_F
ClientSampleId : RO-282

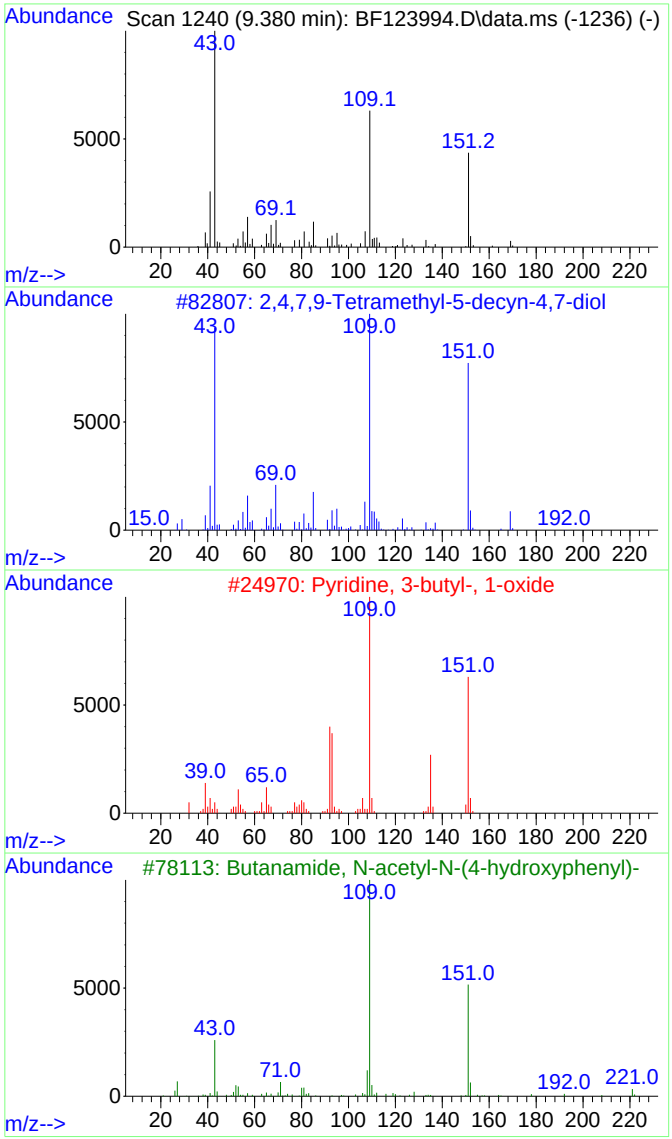
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

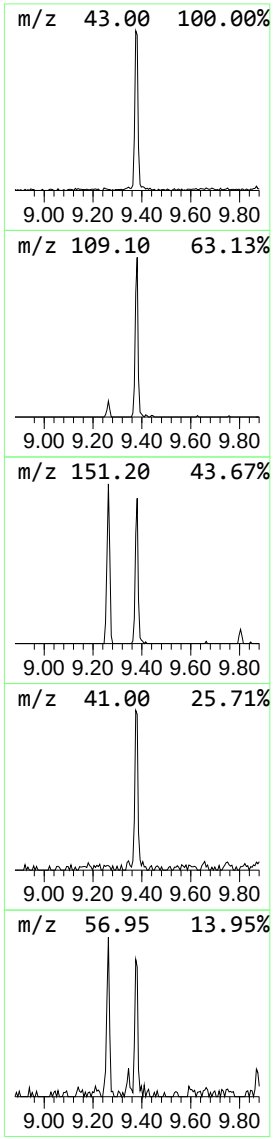
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 2,4,7,9-Tetramethyl-5-decyn... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.380	12.03 ng	246655	Acenaphthene-d10	9.945

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,7,9-Tetramethyl-5-decyn-4,7-...	226	C14H26O2	000126-86-3	83
2	Pyridine, 3-butyl-, 1-oxide	151	C9H13NO	031396-33-5	36
3	Butanamide, N-acetyl-N-(4-hydrox...	221	C12H15NO3	1000107-08-7	36
4	Cyclohexanol, 3,3,5-trimethyl-, ...	142	C9H18O	000767-54-4	25
5	2,6-Pyridinediamine	109	C5H7N3	000141-86-6	22





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Acq On : 19 May 2021 17:15
Operator : JU/CG
Sample : M2439-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RO-282

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

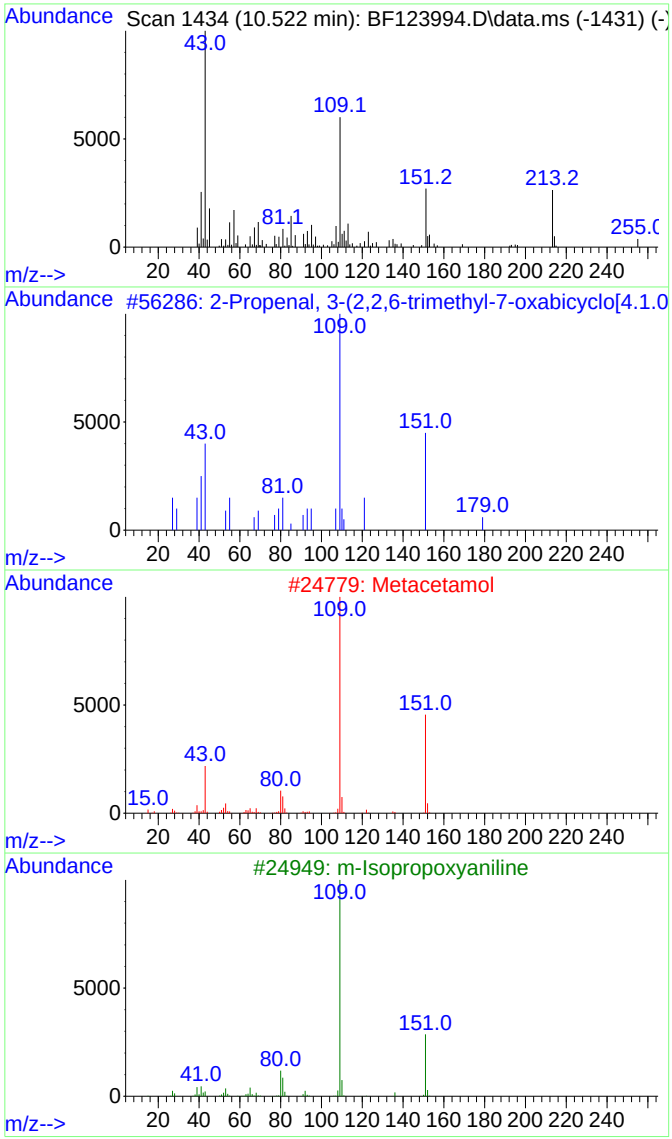
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

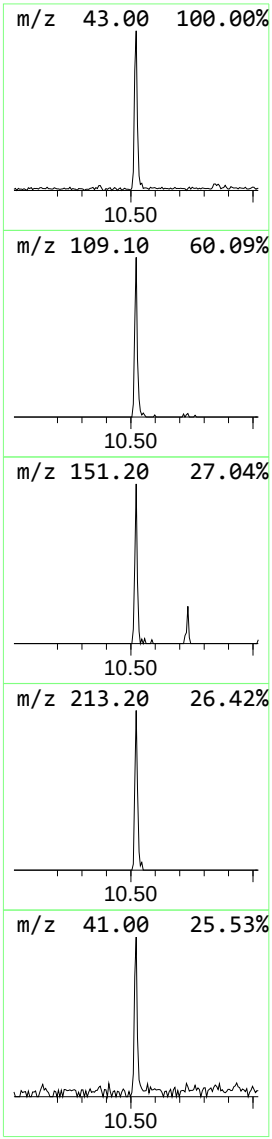
****

Peak Number 6 unknown10.522 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.522	10.00 ng	205049	Acenaphthene-d10	9.945

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propenal, 3-(2,2,6-trimethyl-7...	194	C12H18O2	055759-91-6	38
2	Metacetamol	151	C8H9NO2	000621-42-1	35
3	m-Isopropoxyaniline	151	C9H13NO	041406-00-2	35
4	Acetaminophen	151	C8H9NO2	000103-90-2	35
5	2,4,7,9-Tetramethyl-5-decyn-4,7-...	226	C14H26O2	000126-86-3	27





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Sample : M2439-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RO-282

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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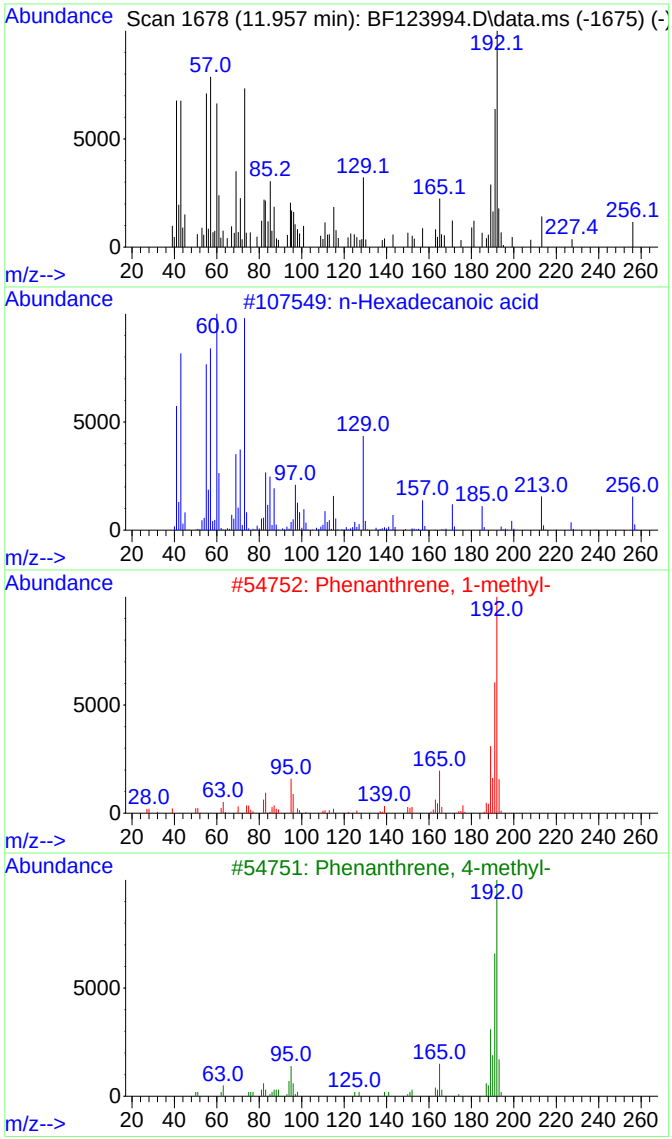
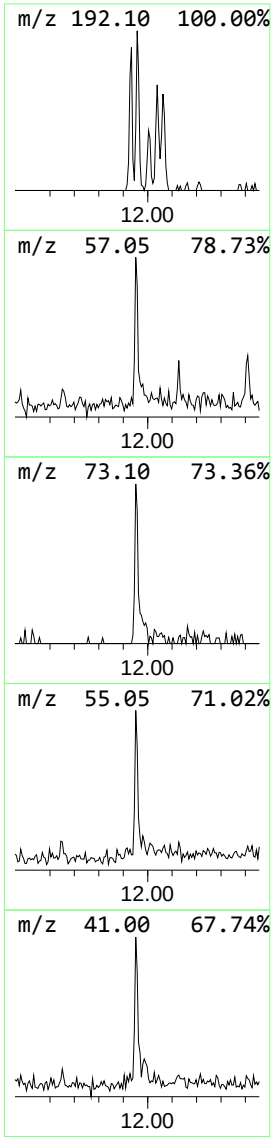
Peak Number 7 n-Hexadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.957	6.60 ng	129917	Phenanthrene-d10	11.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	91
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	55
5	Benzene, 1,1'-(2-cyclopropen-1-y...	192	C15H12	022825-21-4	52





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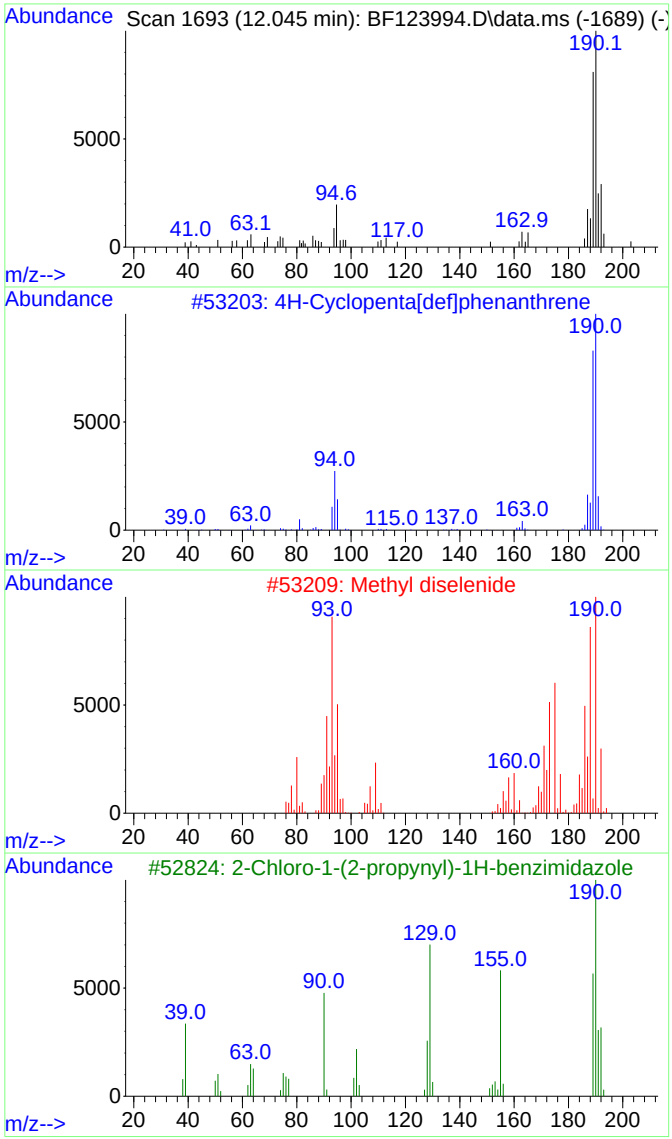
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

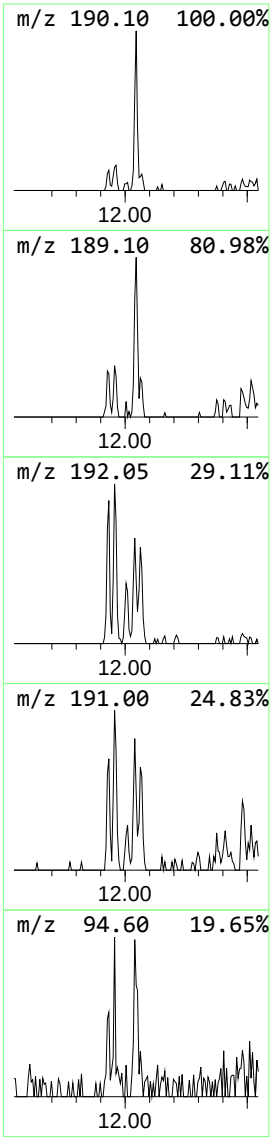
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.045	3.11 ng	61184	Phenanthrene-d10	11.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	83
2	Methyl diselenide	190	C2H6Se2	007101-31-7	49
3	2-Chloro-1-(2-propynyl)-1H-benzi...	190	C10H7ClN2	080276-19-3	47
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	6,7-Methylenedioxy-4(3H)-quinazo...	190	C9H6N2O3	028310-11-4	33





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Misc :
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Instrument : BNA_F
ClientSampleId : RO-282

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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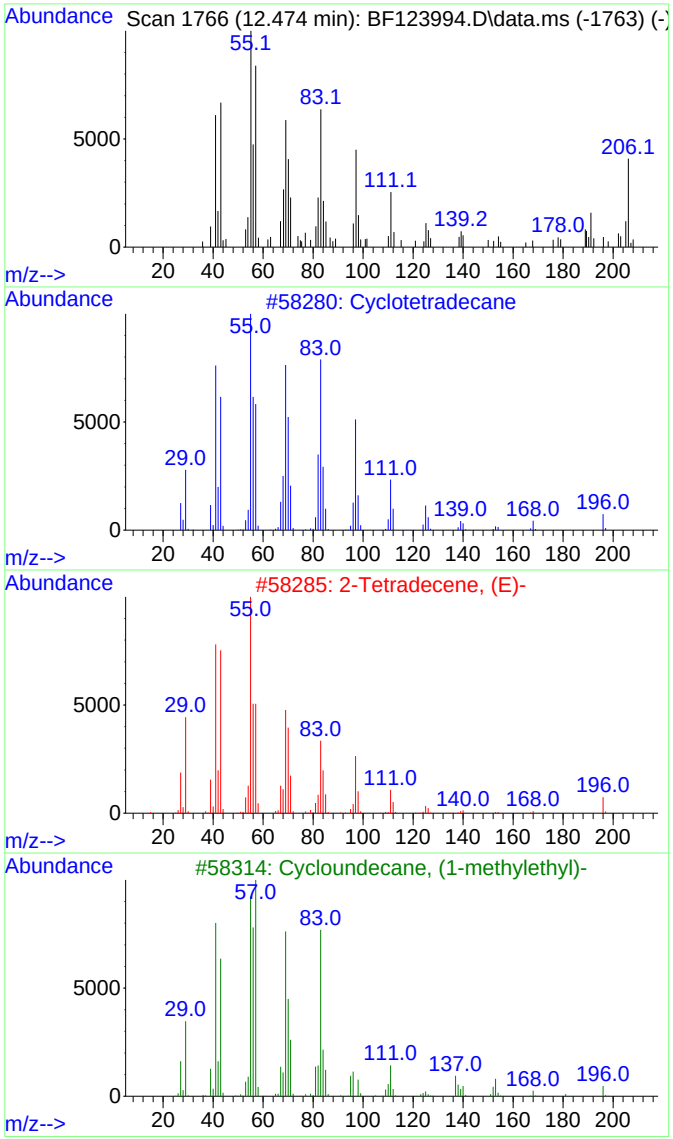
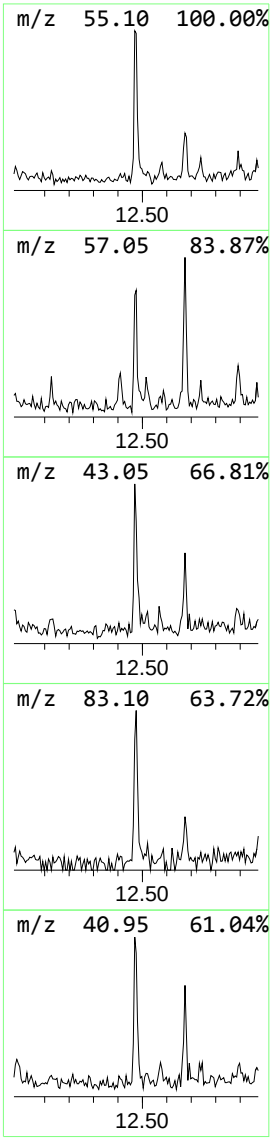
Peak Number 9 Cyclotetradecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.474	7.33 ng	144282	Phenanthrene-d10	11.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetradecane	196	C14H28	000295-17-0	98
2	2-Tetradecene, (E)-	196	C14H28	035953-54-9	91
3	Cycloundecane, (1-methylethyl)-	196	C14H28	062338-56-1	90
4	3-Tetradecene, (E)-	196	C14H28	041446-68-8	90
5	3-Tetradecene, (Z)-	196	C14H28	041446-67-7	86





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ALS Vial : 12 Sample Multiplier: 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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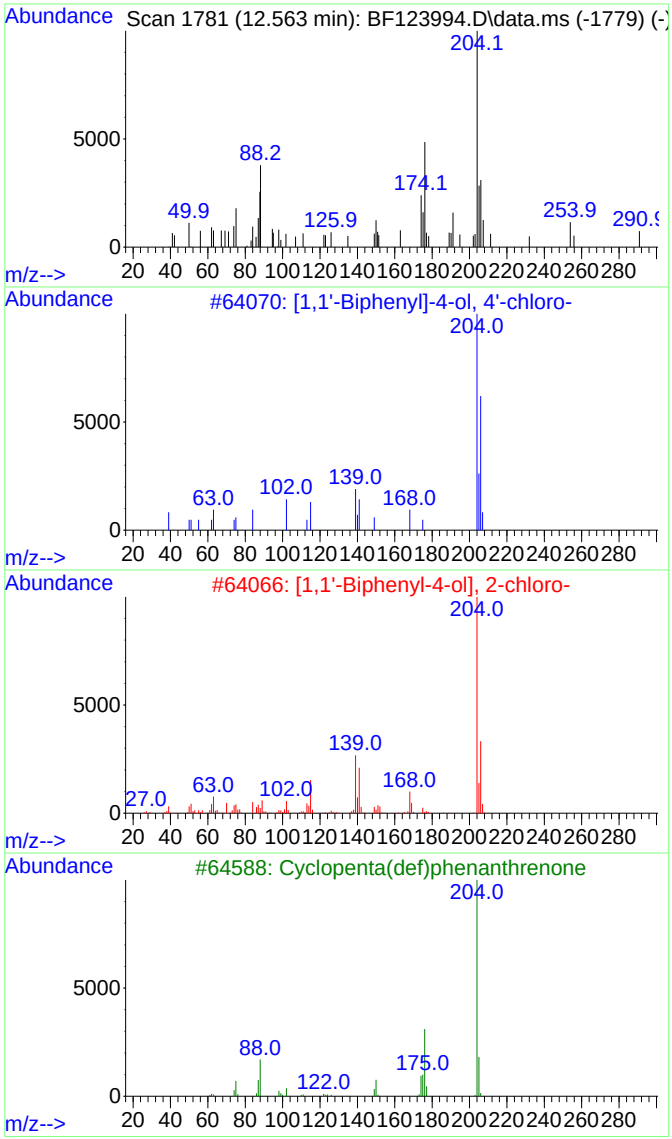
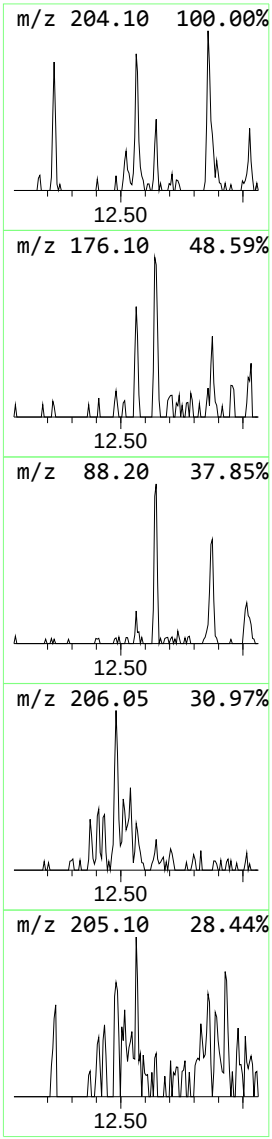
Peak Number 10 unknown12.563 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.563	2.77 ng	54441	Phenanthrene-d10	11.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	43
2	[1,1'-Biphenyl-4-ol], 2-chloro-	204	C12H9ClO	023719-22-4	38
3	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	35
4	Pyrimido[5,4-b]benzofurane, 4-ch...	204	C10H5ClN2O	039876-88-5	32
5	Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	27





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Misc :
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Instrument : BNA_F
ClientSampleId : RO-282

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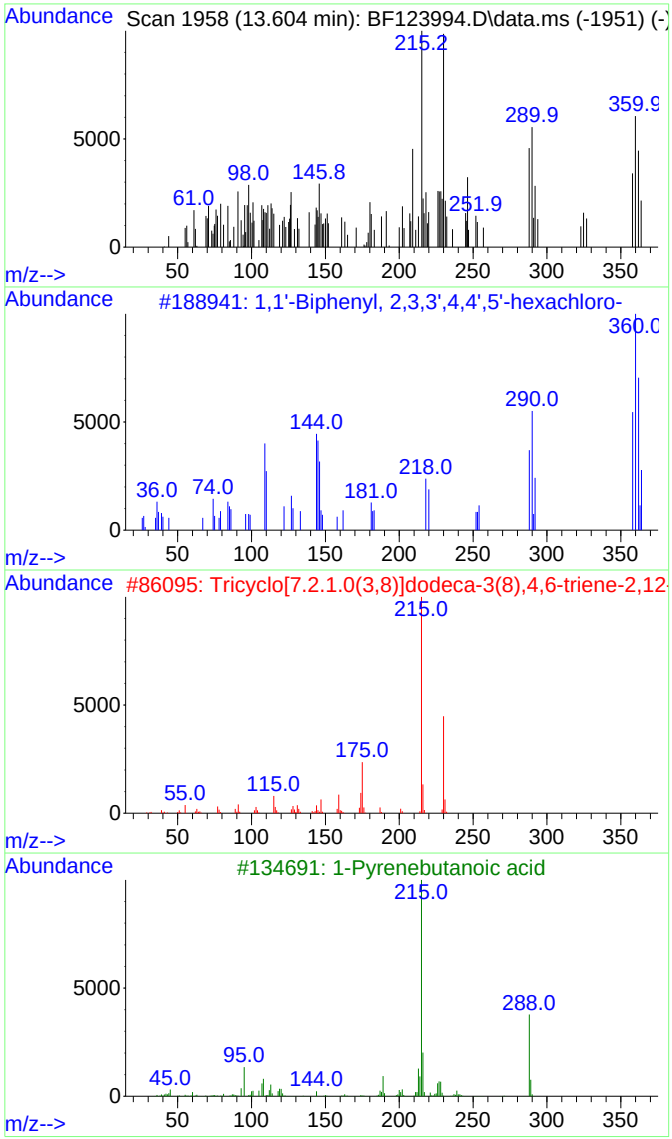
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

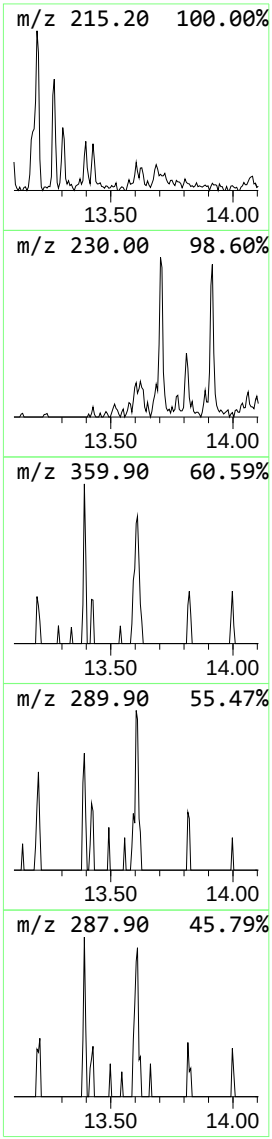
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 1,1'-Biphenyl, 2,3,3',4,4',... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.604	2.90 ng	135830	Chrysene-d12	14.074

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4,4',5'-he...	358	C12H4Cl6	069782-90-7	87
2	Tricyclo[7.2.1.0(3,8)]dodeca-3(8...	230	C14H14O3	1000319-33-6	30
3	1-Pyrenebutanoic acid	288	C20H16O2	003443-45-6	18
4	1,5-Diaminonaphthalene, N-trimet...	230	C13H18N2Si	1000364-96-3	14
5	6-Methyl-2H-1-oxa-4,6-phenanthro...	230	C12H10N2O3	070744-02-4	11





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Sample : M2439-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RO-282

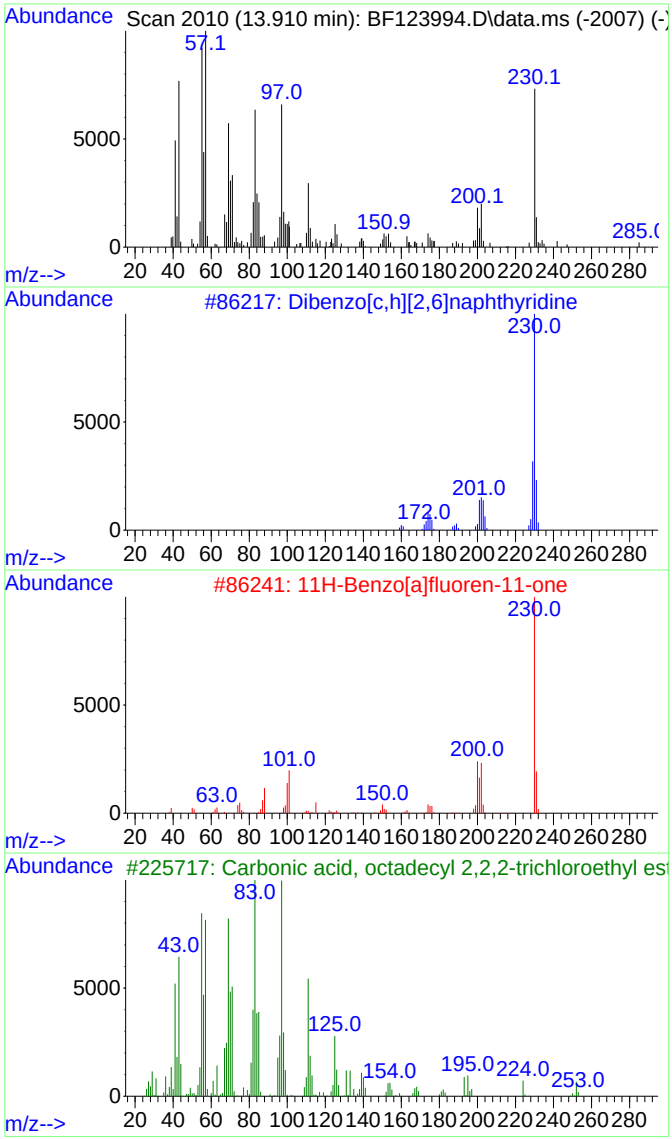
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

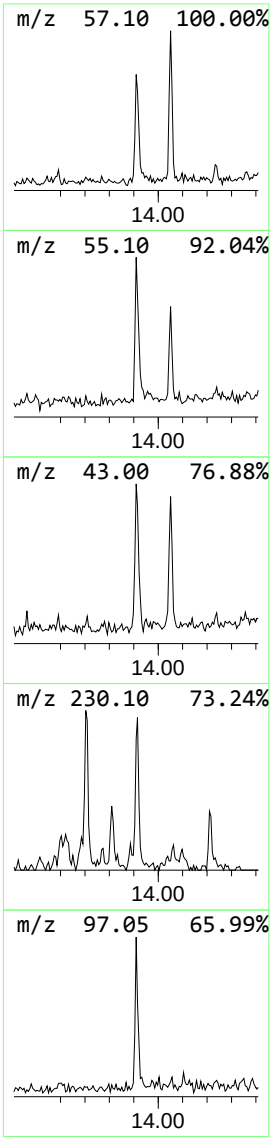
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Dibenzo[c,h][2,6]naphthyridine Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.910	5.19 ng	243194	Chrysene-d12	14.074

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[c,h][2,6]naphthyridine	230	C16H10N2	000218-30-4	83
2	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	70
3	Carbonic acid, octadecyl 2,2,2-t...	444	C21H39Cl3O3	1000314-56-3	50
4	Tetradecyl trifluoroacetate	310	C16H29F3O2	006222-02-2	50
5	Pentafluoropropionic acid, tride...	346	C16H27F5O2	959261-22-4	50





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Instrument : BNA_F
ClientSampleId : RO-282

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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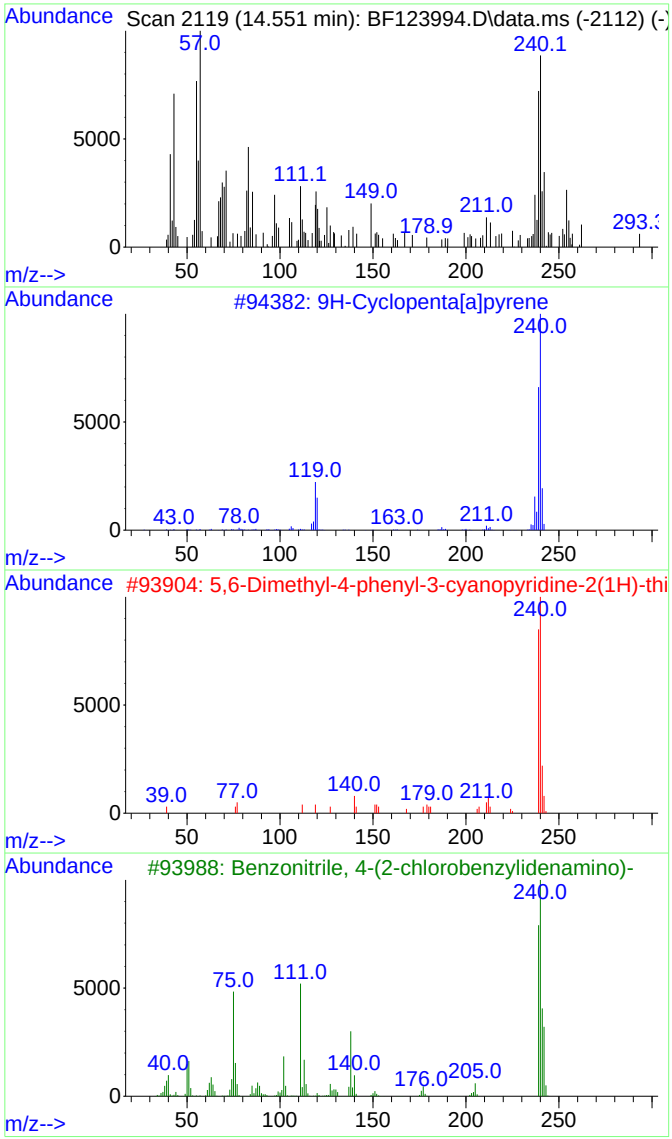
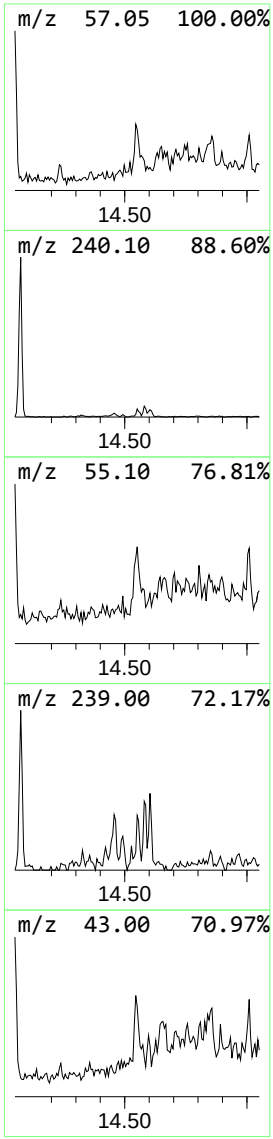
Peak Number 13 9H-Cyclopenta[a]pyrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.551	3.32 ng	155378	Chrysene-d12	14.074

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Cyclopenta[a]pyrene	240	C19H12	050861-05-7	70
2	5,6-Dimethyl-4-phenyl-3-cyanopyr...	240	C14H12N2S	094639-18-6	43
3	Benzonitrile, 4-(2-chlorobenzyli...	240	C14H9ClN2	303214-71-3	43
4	Adamantan-2-one, 4,4-ethylenedit...	240	C12H16OS2	1000210-52-6	35
5	3-Pyridinecarbonitrile, 2-(1,3-b...	240	C13H8N2O3	1000338-10-1	35





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

TIC Library : C:\DATABASE\NIST11.L
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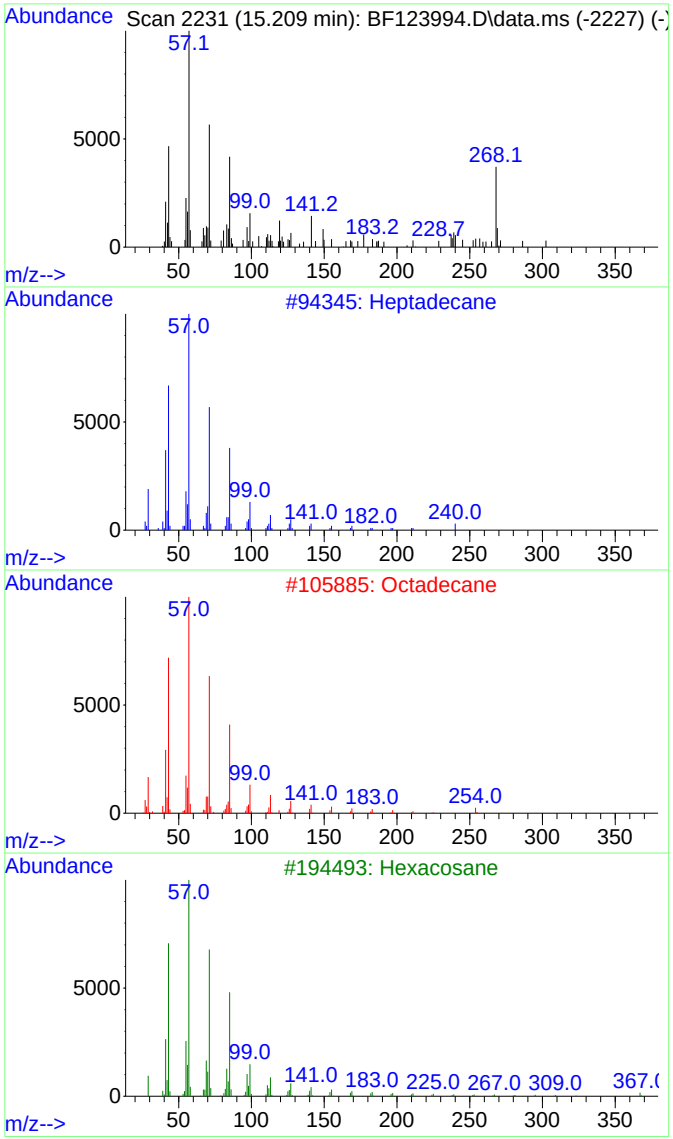
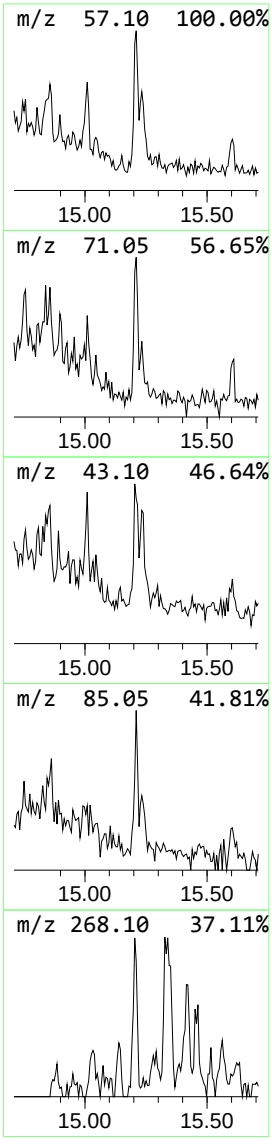
Peak Number 14 Heptadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.210	5.61 ng	78632	Perylene-d12	15.568

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	60
2	Octadecane	254	C18H38	000593-45-3	53
3	Hexacosane	366	C26H54	000630-01-3	49
4	Heptacosane	380	C27H56	000593-49-7	46
5	Heneicosane	296	C21H44	000629-94-7	46





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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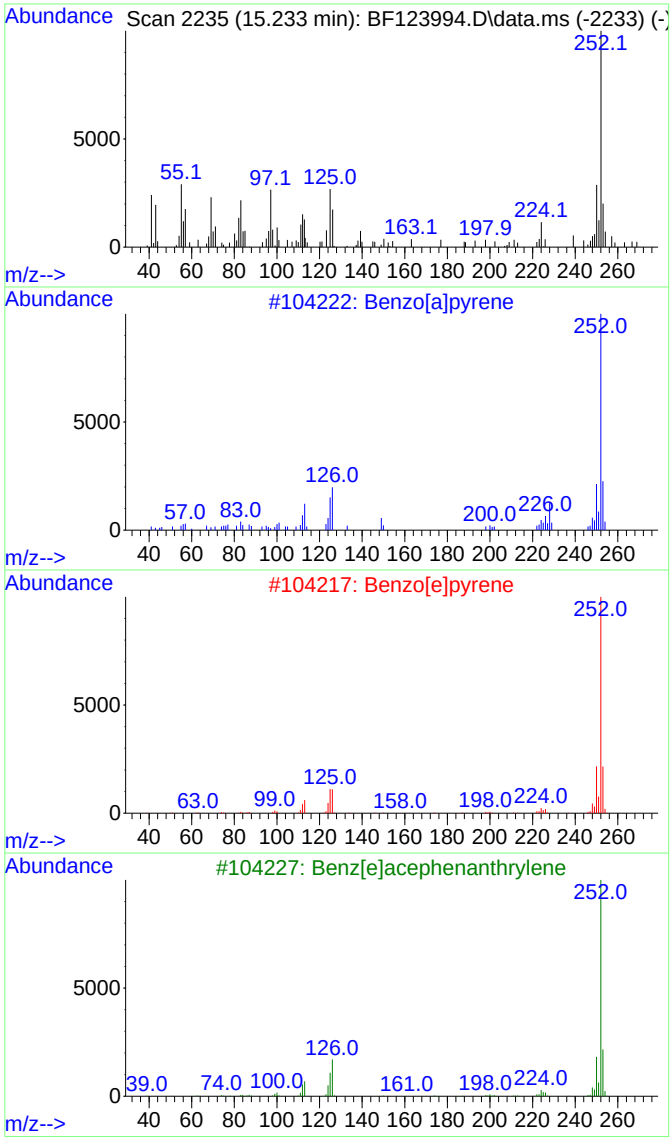
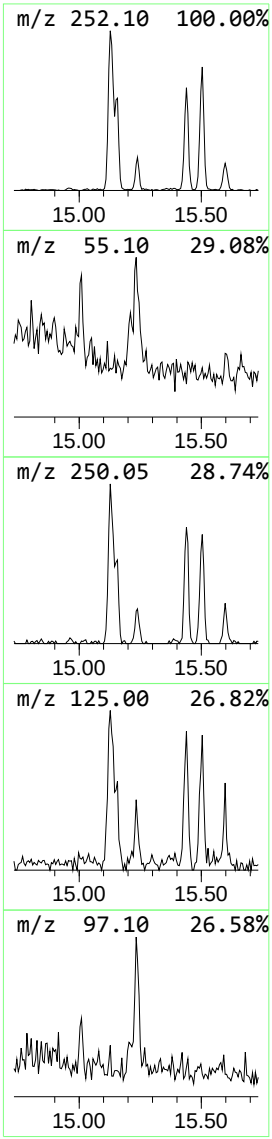
Peak Number 15 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.233	9.48 ng	132883	Perylene-d12	15.568

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene	252	C20H12	000050-32-8	70
2	Benzo[e]pyrene	252	C20H12	000192-97-2	68
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	58
4	Perylene	252	C20H12	000198-55-0	58
5	(1-Cyclopentenyl)ferrocene	252	C15H16Fe	012260-67-2	53





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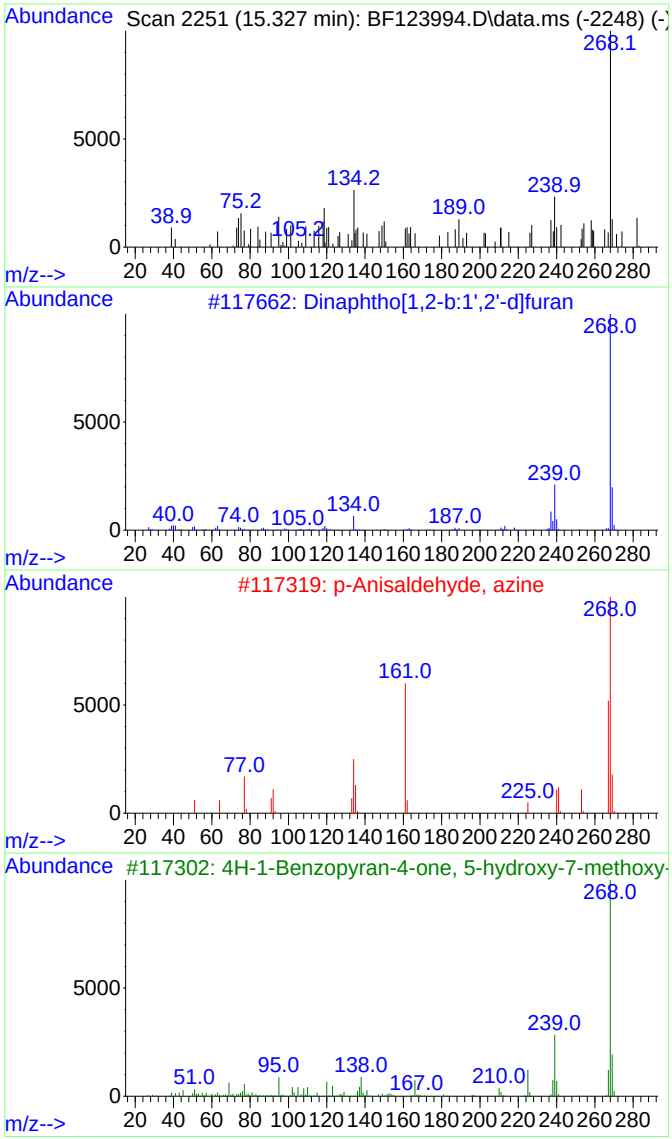
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

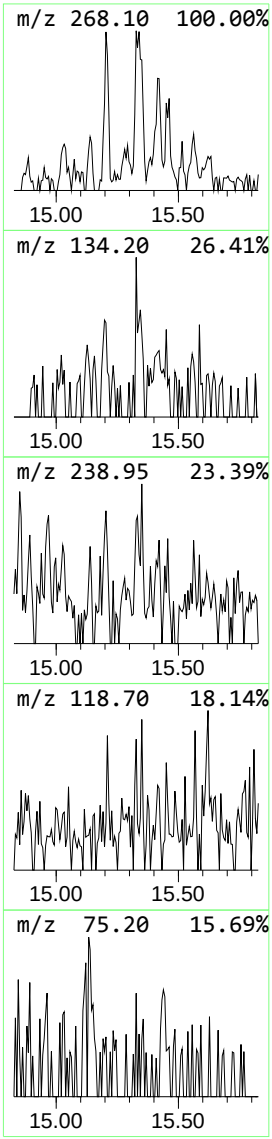
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.327	3.72 ng	52120	Perylene-d12	15.568

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	59
2	p-Anisaldehyde, azine	268	C16H16N2O2	002299-73-2	46
3	4H-1-Benzopyran-4-one, 5-hydroxy...	268	C16H12O4	000520-28-5	43
4	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	40
5	2,4'-Dichloro-4-methoxydiphenyl ...	268	C13H10Cl2O2	067061-64-7	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051921\
Data File : BF123994.D
Acq On : 19 May 2021 17:15
Operator : JU/CG
Sample : M2439-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RO-282

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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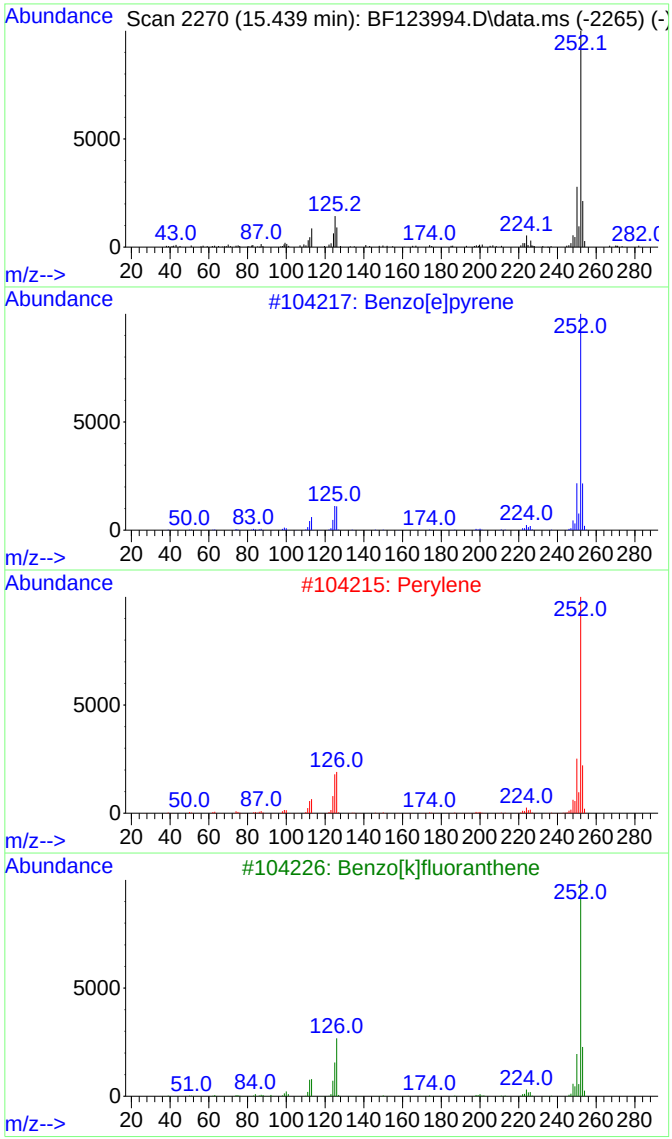
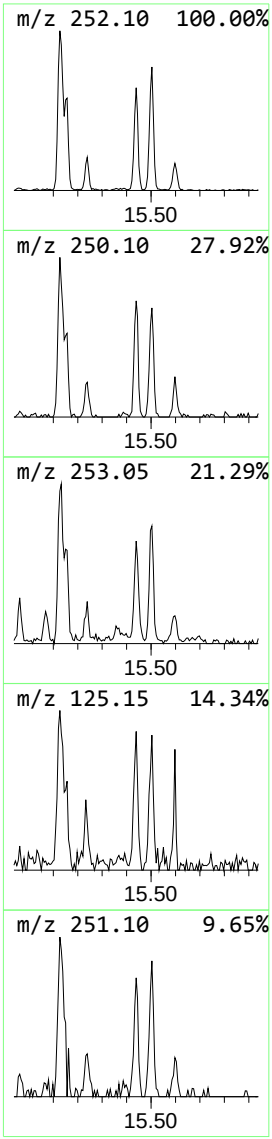
Peak Number 17 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.439	16.15 ng	226363	Perylene-d12	15.568

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Perylene	252	C20H12	000198-55-0	94
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
5	Benzo[a]pyrene	252	C20H12	000050-32-8	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051921\
Data File : BF123994.D
Acq On : 19 May 2021 17:15
Operator : JU/CG
Sample : M2439-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RO-282

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
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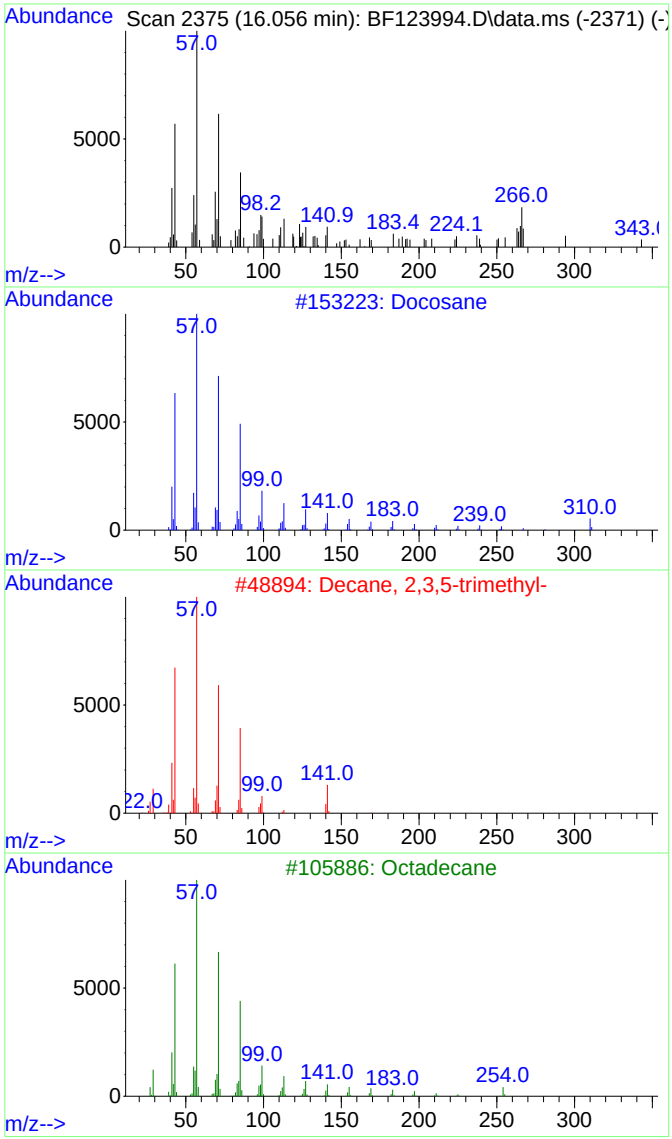
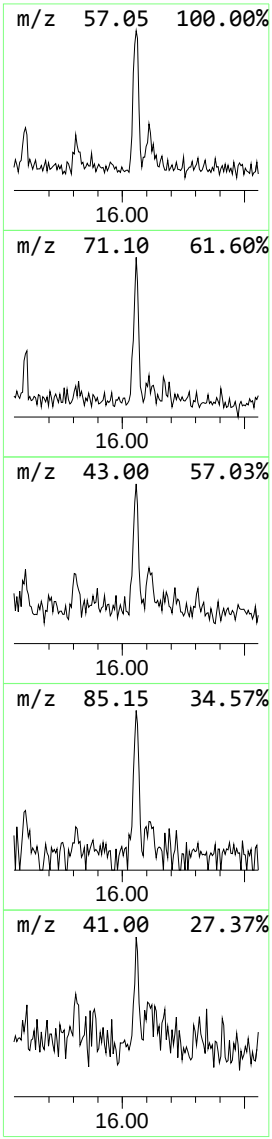
Peak Number 18 unknown16.057 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.057	5.67 ng	79405	Perylene-d12	15.568

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane	310	C22H46	000629-97-0	46
2	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	46
3	Octadecane	254	C18H38	000593-45-3	46
4	Heptacosane	380	C27H56	000593-49-7	46
5	Heneicosane	296	C21H44	000629-94-7	46





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Data File : BF123994.D
Acq On : 19 May 2021 17:15
Operator : JU/CG
Sample : M2439-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RO-282

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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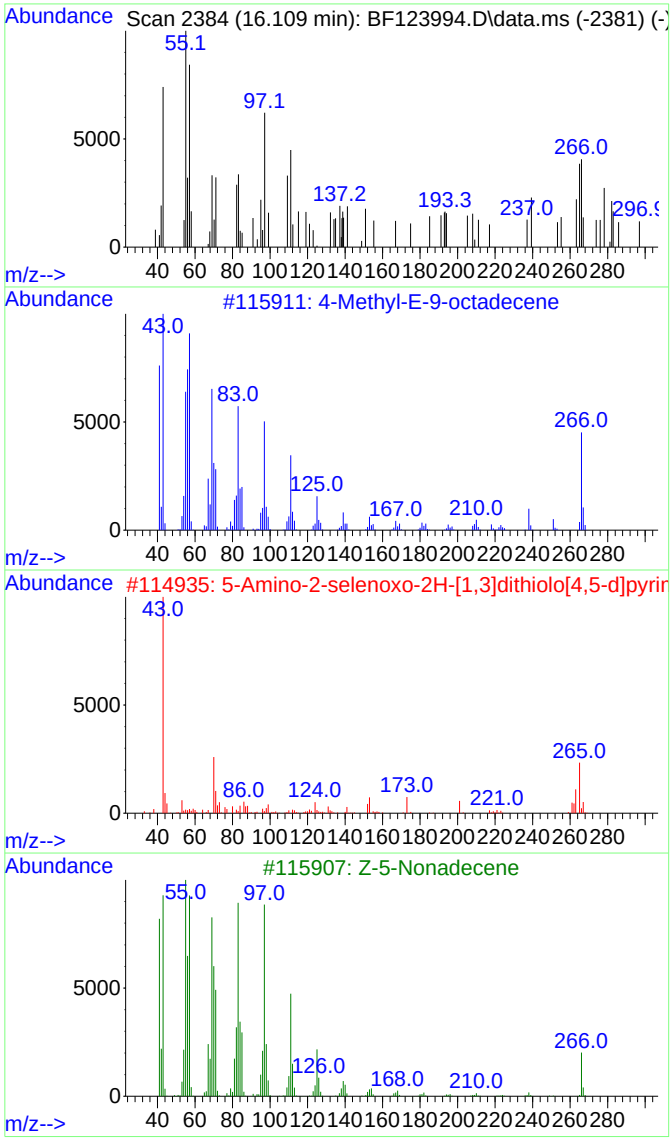
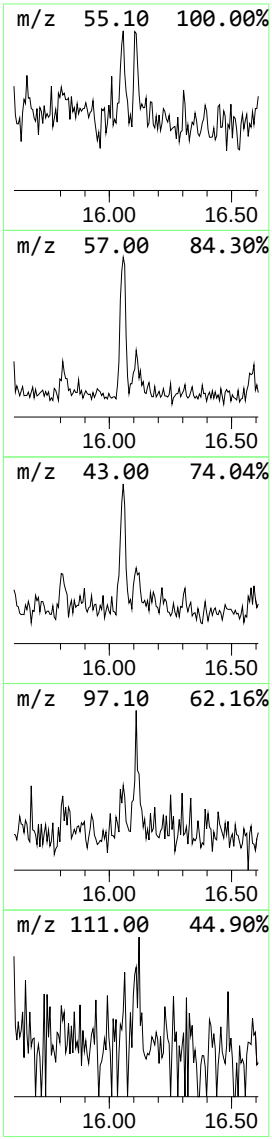
Peak Number 19 unknown16.109 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.109	2.68 ng	37582	Perylene-d12	15.568

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methyl-E-9-octadecene	266	C19H38	1000130-87-1	32
2	5-Amino-2-selenoxo-2H-[1,3]dithi...	265	C5H3N3OS2Se	148583-84-0	10
3	Z-5-Nonadecene	266	C19H38	1000131-11-8	10
4	Thiophene, 2-tridecyl-	266	C17H30S	059782-29-5	10
5	2-Thiopheneacetic acid, 6-ethyl-...	282	C16H26O2S	1000278-92-3	10





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Data File : BF123994.D
Acq On : 19 May 2021 17:15
Operator : JU/CG
Sample : M2439-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RO-282

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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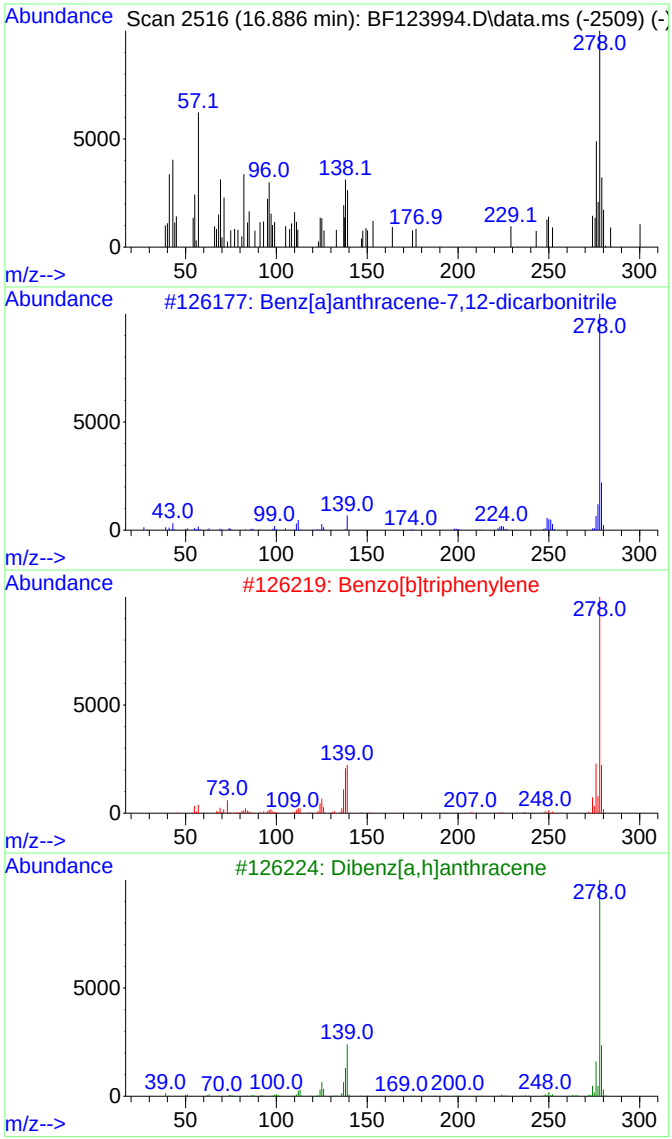
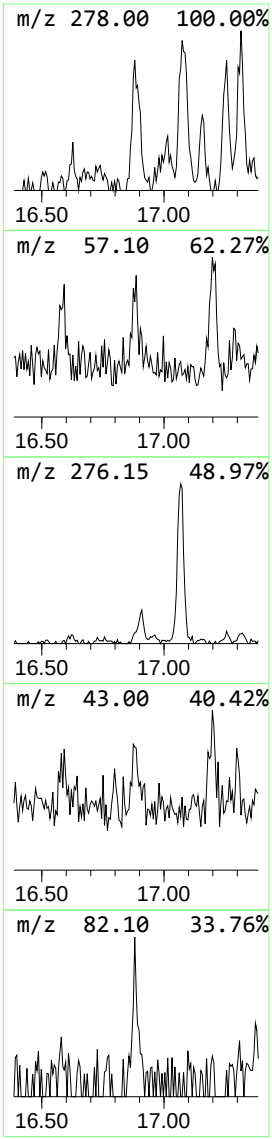
Peak Number 20 Benz[a]anthracene-7,12-dica... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.886	6.62 ng	92835	Perylene-d12	15.568

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene-7,12-dicarboni...	278	C20H10N2	035215-32-8	53
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	38
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	38
4	Pentacene	278	C22H14	000135-48-8	38
5	Picene	278	C22H14	000213-46-7	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051921\
Data File : BF123994.D
Acq On : 19 May 2021 17:15
Operator : JU/CG
Sample : M2439-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RO-282

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	2.169	46.6	ng	672953	1	6.904	288627	20.0
Propane, 1,1-di...	2.281	3.7	ng	53539	1	6.904	288627	20.0
2-Pentanone, 4-...	5.122	4.4	ng	63712	1	6.904	288627	20.0
Ethanol, 2-(2-m...	6.728	4.3	ng	62673	1	6.904	288627	20.0
2,4,7,9-Tetrame...	9.380	12.0	ng	246655	3	9.945	410109	20.0
unknown10.522	10.522	10.0	ng	205049	3	9.945	410109	20.0
n-Hexadecanoic ...	11.957	6.6	ng	129917	4	11.427	393541	20.0
4H-Cyclopenta[d...	12.045	3.1	ng	61184	4	11.427	393541	20.0
Cyclotetradecane	12.474	7.3	ng	144282	4	11.427	393541	20.0
unknown12.563	12.563	2.8	ng	54441	4	11.427	393541	20.0
1,1'-Biphenyl, ...	13.604	2.9	ng	135830	5	14.074	936322	20.0
Dibenzo[c,h][2,...	13.910	5.2	ng	243194	5	14.074	936322	20.0
9H-Cyclopenta[a...	14.551	3.3	ng	155378	5	14.074	936322	20.0
Heptadecane	15.210	5.6	ng	78632	6	15.568	280260	20.0
Benzo[e]pyrene	15.233	9.5	ng	132883	6	15.568	280260	20.0
Dinaphtho[1,2-b...	15.327	3.7	ng	52120	6	15.568	280260	20.0
Perylene	15.439	16.1	ng	226363	6	15.568	280260	20.0
unknown16.057	16.057	5.7	ng	79405	6	15.568	280260	20.0
unknown16.109	16.109	2.7	ng	37582	6	15.568	280260	20.0
Benz[a]anthrace...	16.886	6.6	ng	92835	6	15.568	280260	20.0