LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082321\
Data File : BF125175.D
Acq On : 24 Aug 2021 2:06
Operator : JU/CG
Sample : M3513-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-04-082121

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-BF081821.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF125175.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	13	18	27	rVB	438591	551748	7.24%	0.615%
2	5.534	582	586	589	rBV	1985699	1726130	22.65%	1.924%
3	6.539	752	757	760	rBV	1954216	1714906	22.51%	1.911%
4	6.922	818	822	825	rBV	1316828	1033411	13.56%	1.152%
5	7.480	913	917	920	rBV	1335805	1071651	14.06%	1.194%
6	8.098	1019	1022	1033	rVV	349417	354809	4.66%	0.395%
7	8.204	1036	1040	1043	rVV	1576314	1308085	17.17%	1.458%
8	9.280	1219	1223	1226	rBV	2019368	1760506	23.10%	1.962%
9	9.545	1262	1268	1271	rBV2	127178	159072	2.09%	0.177%
10	9.616	1277	1280	1283	rBV	353730	334349	4.39%	0.373%
11	9.733	1297	1300	1306	rBV	185336	192292	2.52%	0.214%
12	9.822	1312	1315	1318	rBV2	319696	268451	3.52%	0.299%
13	9.963	1336	1339	1342	rVV	1482634	1179816	15.48%	1.315%
14	9.992	1342	1344	1347	rVB	277089	217386	2.85%	0.242%
15	10.163	1369	1373	1376	rVV2	229656	240605	3.16%	0.268%
16	10.198	1376	1379	1383	rVB	210905	194936	2.56%	0.217%
17	10.274	1388	1392	1395	rVV	219570	222282	2.92%	0.248%
18	10.369	1403	1408	1409	rVV	136869	174379	2.29%	0.194%
19	10.510	1428	1432	1437	rVB2	254129	300793	3.95%	0.335%
20	10.574	1437	1443	1445	rBV2	127257	182194	2.39%	0.203%
21	10.745	1467	1472	1476	rVV	1329346	1188012	15.59%	1.324%
22	10.857	1488	1491	1492	rBV2	200380	202496	2.66%	0.226%
23	10.874	1492	1494	1497	rVB	218206	180207	2.36%	0.201%
24	11.057	1519	1525	1527	rBV3	172430	239263	3.14%	0.267%
25	11.251	1555	1558	1562	rVV2	233222	214906	2.82%	0.239%
26	11.304	1562	1567	1570	rVV3	117635	180742	2.37%	0.201%
27	11.345	1571	1574	1579	rVB	441352	391145	5.13%	0.436%
28	11.451	1588	1592	1594	rBV	1389610	1304563	17.12%	1.454%
29	11.480	1594	1597	1600	rVV	3797994	3370148	44.23%	3.756%
30	11.527	1602	1605	1607	rVV	541290	442147	5.80%	0.493%
31	11.680	1624	1631	1633	rBV	284852	357248	4.69%	0.398%
32	11.745	1638	1642	1645	rVV2	319633	302552	3.97%	0.337%
33	11.780	1645	1648	1653	rVB	612773	507195	6.66%	0.565%
34	11.839	1653	1658	1660	rBV	618014	571476	7.50%	0.637%
35	11.863	1660	1662	1667	rVB	328547	341830	4.49%	0.381%
36	11.951	1671	1677	1680	rBV	1210543	1379197	18.10%	1.537%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082321\
Data File : BF125175.D
Acq On : 24 Aug 2021 2:06
Operator : JU/CG
Sample : M3513-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-04-082121

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-BF081821.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.980	1680	1682	1686	rVB	1493180	1252440	16.44%	1.396%
38	12.027	1687	1690	1693	rBV	244554	238145	3.13%	0.265%
39	12.063	1693	1696	1699	rBV2	1558352	1757042	23.06%	1.958%
40	12.086	1699	1700	1704	rVB	985272	613208	8.05%	0.683%
41	12.145	1706	1710	1714	rBV4	127839	239050	3.14%	0.266%
42	12.186	1714	1717	1719	rVB2	267626	223699	2.94%	0.249%
43	12.245	1724	1727	1730	rBV2	750710	772157	10.13%	0.861%
44	12.274	1730	1732	1738	rVB2	866431	844643	11.08%	0.941%
45	12.380	1747	1750	1751	rBV	223547	199132	2.61%	0.222%
46	12.398	1751	1753	1755	rVV	305710	229766	3.02%	0.256%
47	12.427	1755	1758	1760	rVV	456889	327090	4.29%	0.365%
48	12.451	1760	1762	1765	rVB2	353296	289318	3.80%	0.322%
49	12.504	1767	1771	1773	rBV	1023372	1157916	15.20%	1.290%
50	12.527	1773	1775	1777	rVV	3240337	2905307	38.13%	3.238%
51	12.545	1777	1778	1783	rVB3	2156955	1883860	24.72%	2.099%
52	12.592	1783	1786	1790	rBV2	594916	678317	8.90%	0.756%
53	12.633	1790	1793	1795	rVB	451452	386900	5.08%	0.431%
54	12.674	1795	1800	1803	rBV	5336624	5810943	76.26%	6.476%
55	12.710	1803	1806	1808	rBV	274967	266029	3.49%	0.296%
56	12.757	1812	1814	1818	rVB2	157967	166430	2.18%	0.185%
57	12.804	1818	1822	1823	rBV3	247021	290124	3.81%	0.323%
58	12.821	1823	1825	1828	rVB2	406210	363382	4.77%	0.405%
59	12.910	1833	1840	1843	rBV	5922658	7620045	100.00%	8.492%
60	12.951	1843	1847	1850	rVB2	443170	556751	7.31%	0.620%
61	13.015	1854	1858	1859	rBV2	269418	304448	4.00%	0.339%
62	13.039	1859	1862	1869	rVB2	1865969	2156278	28.30%	2.403%
63	13.115	1870	1875	1878	rBV2	707411	1091142	14.32%	1.216%
64	13.168	1882	1884	1886	rBV	258422	221967	2.91%	0.247%
65	13.204	1886	1890	1891	rBV4	529380	633810	8.32%	0.706%
66	13.221	1891	1893	1896	rVB	1057788	1068272	14.02%	1.191%
67	13.268	1896	1901	1902	rBV3	166505	255085	3.35%	0.284%
68	13.292	1902	1905	1907	rVB	753150	580721	7.62%	0.647%
69	13.327	1907	1911	1914	rBV2	1040723	1052448	13.81%	1.173%
70	13.351	1914	1915	1919	rVB2	324996	288873	3.79%	0.322%
71	13.421	1924	1927	1930	rBV	871293	738515	9.69%	0.823%
72	13.451	1930	1932	1935	rVB	774394	703040	9.23%	0.783%
73	13.598	1954	1957	1959	rBV3	191860	224111	2.94%	0.250%
74	13.727	1977	1979	1984	rVB	525106	619155	8.13%	0.690%
75	13.792	1988	1990	1993	rVB	218293	178073	2.34%	0.198%
76	13.845	1994	1999	2002	rBV3	913442	1220499	16.02%	1.360%

LSC Area Percent Report

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Acq On : 24 Aug 2021 2:06
Operator : JU/CG
Sample : M3513-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-04-082121

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-BF081821.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.874	2002	2004	2006	rVB	648247	455487	5.98%	0.508%
78	13.898	2006	2008	2011	rBV2	537369	525787	6.90%	0.586%
79	13.939	2012	2015	2019	rVB2	598795	631386	8.29%	0.704%
80	14.015	2025	2028	2034	rVB	252197	369338	4.85%	0.412%
81	14.092	2034	2041	2044	rBV3	3152839	4480552	58.80%	4.993%
82	14.127	2044	2047	2052	rVB	2996964	2995828	39.32%	3.339%
83	14.180	2054	2056	2058	rBV	252442	221244	2.90%	0.247%
84	14.204	2058	2060	2063	rBV	593892	409684	5.38%	0.457%
85	14.315	2076	2079	2083	rBV2	236791	355635	4.67%	0.396%
86	14.351	2083	2085	2088	rVB2	259401	210982	2.77%	0.235%
87	14.480	2102	2107	2110	rVB	627922	706124	9.27%	0.787%
88	14.515	2110	2113	2116	rVB2	454668	414835	5.44%	0.462%
89	14.609	2126	2129	2131	rBV	407032	408323	5.36%	0.455%
90	14.627	2131	2132	2136	rVB	414595	327694	4.30%	0.365%
91	15.162	2217	2223	2226	rBV	1840714	3194719	41.93%	3.560%
92	15.268	2237	2241	2247	rBV	387050	391536	5.14%	0.436%
93	15.474	2271	2276	2282	rVB	1318491	1805799	23.70%	2.012%
94	15.539	2282	2287	2293	rVB	1728332	2252621	29.56%	2.510%
95	15.598	2293	2297	2300	rBV	551588	786078	10.32%	0.876%
96	15.633	2300	2303	2309	rVB2	506449	730307	9.58%	0.814%
97	16.180	2393	2396	2404	rVB2	173183	252239	3.31%	0.281%
98	17.127	2550	2557	2564	rVB2	746081	1526114	20.03%	1.701%
99	17.368	2594	2598	2603	rBV2	102542	164713	2.16%	0.184%
100	17.592	2629	2636	2644	rVB	643282	1346723	17.67%	1.501%

Sum of corrected areas: 89732807

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082321\
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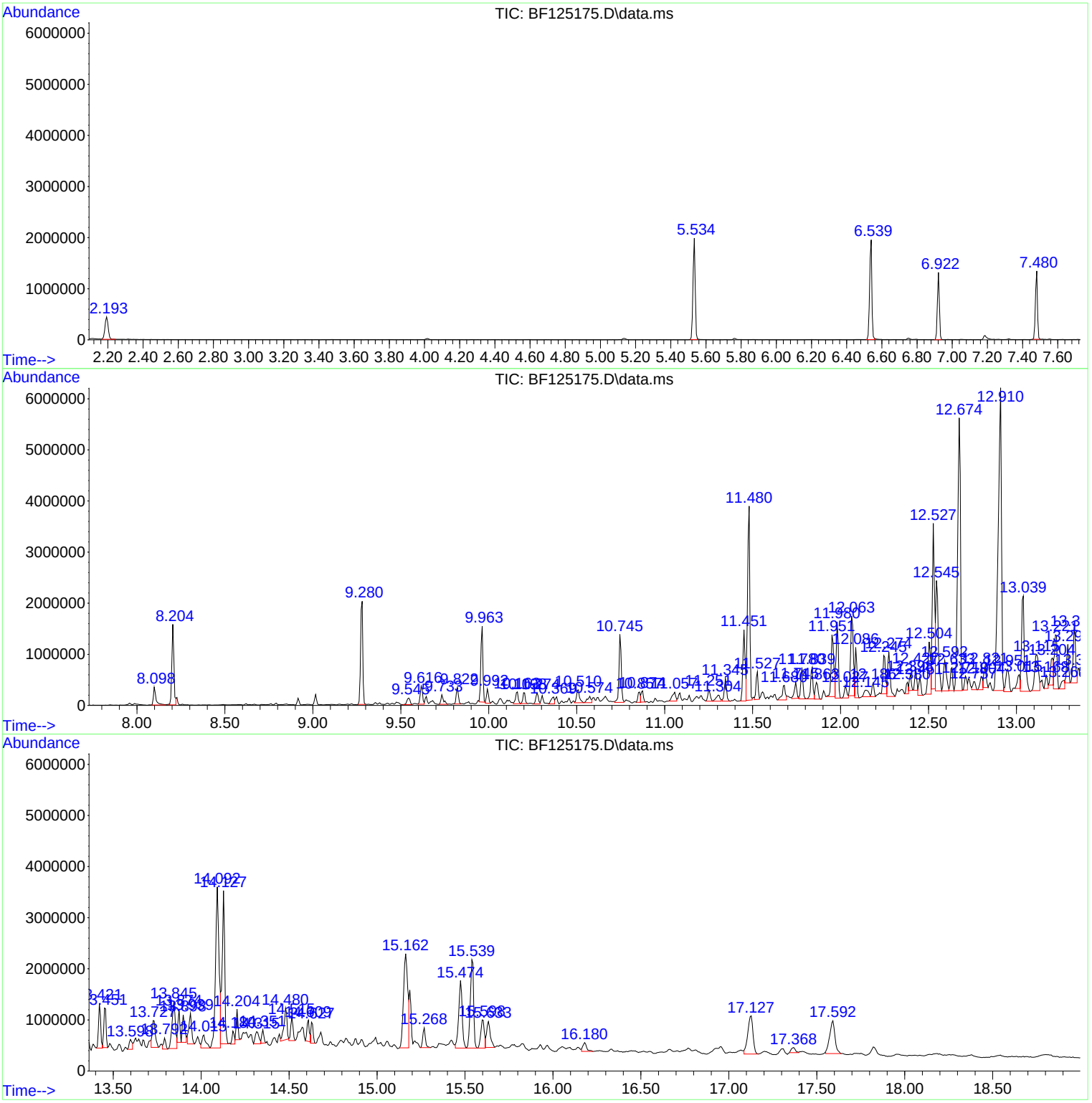
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TR-04-082121

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.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\BF082321\
Data File : BF125175.D
Acq On : 24 Aug 2021 2:06
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Instrument : BNA_F
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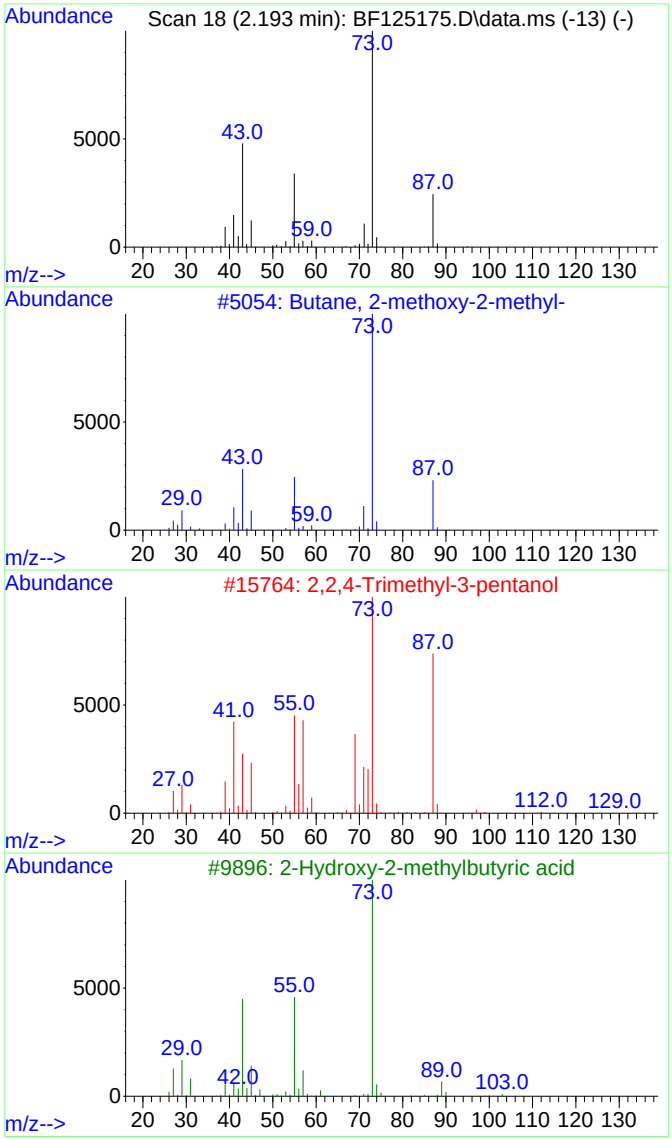
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

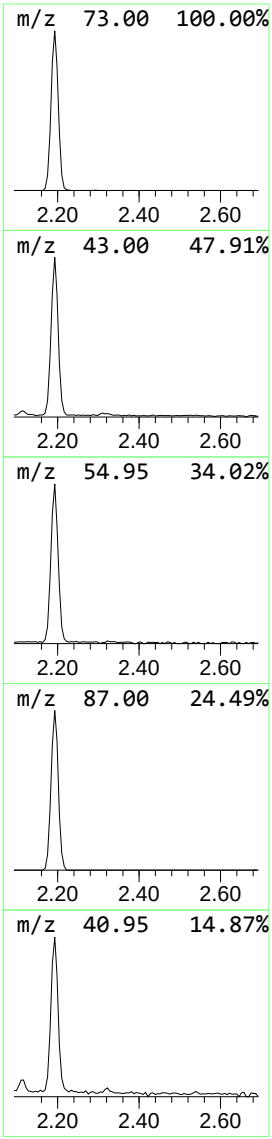
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.193	10.68 ng	551748	1,4-Dichlorobenzene-d4	6.922

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	2-Hydroxy-2-methylbutyric acid	118	C5H10O3	003739-30-8	25
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
5	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	23





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082321\
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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TR-04-082121

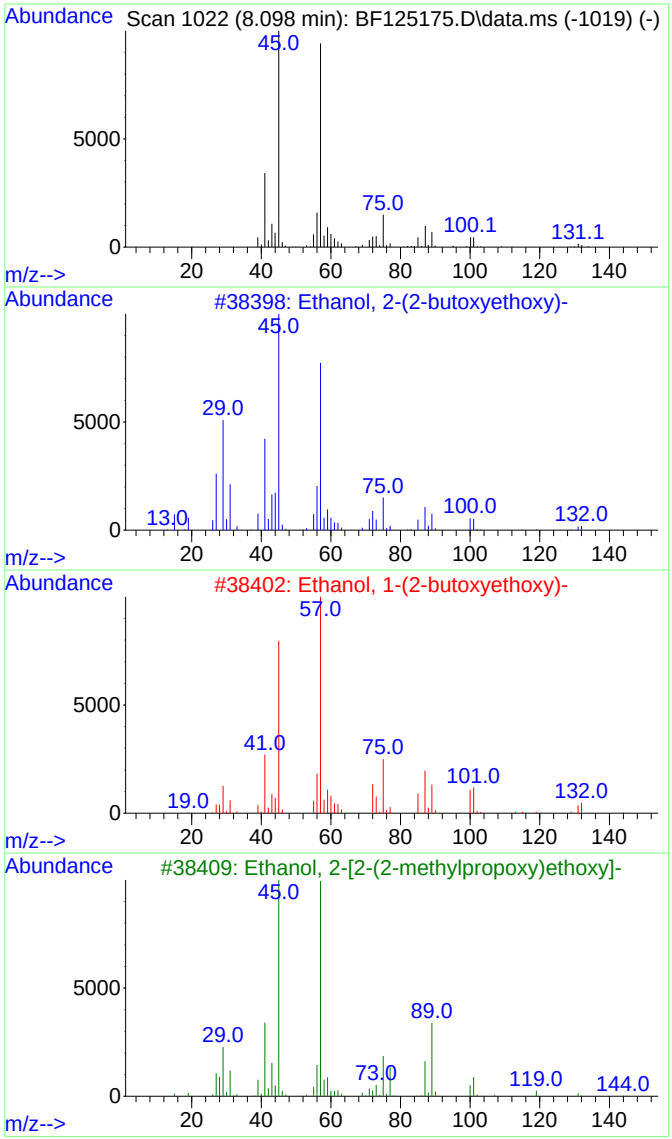
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

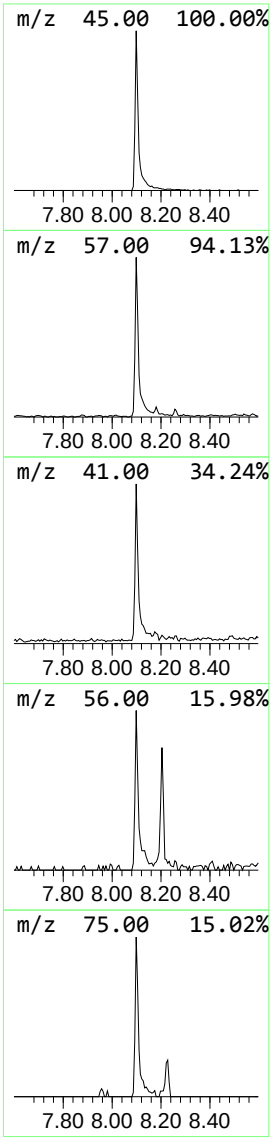
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Ethanol, 2-(2-butoxyethoxy)- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.098	5.42 ng	354809	Naphthalene-d8	8.204

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(2-butoxyethoxy)-	162	C8H18O3	000112-34-5	78
2	Ethanol, 1-(2-butoxyethoxy)-	162	C8H18O3	054446-78-5	74
3	Ethanol, 2-[2-(2-methylpropoxy)e...	162	C8H18O3	018912-80-6	56
4	3,3-Dimethylbutane-2-ol	102	C6H14O	000464-07-3	53
5	Ethylene glycol monoisobutyl ether	118	C6H14O2	004439-24-1	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082321\
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ClientSampleId :
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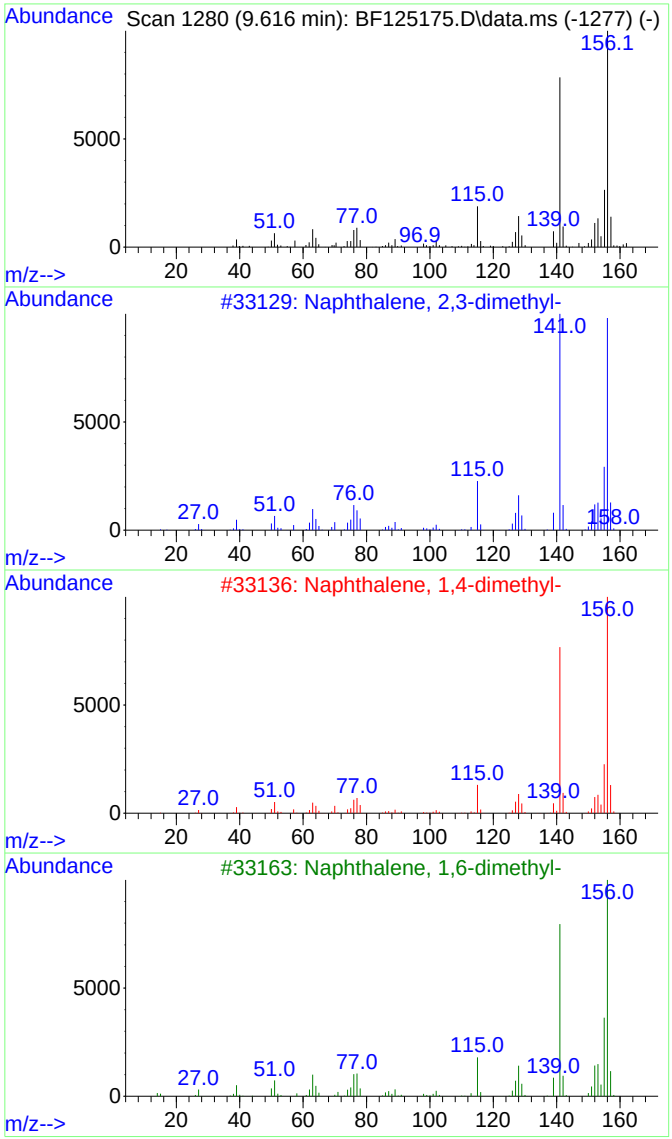
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

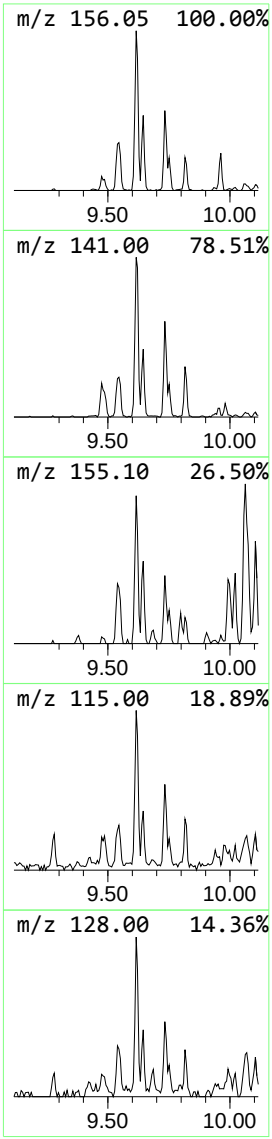
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.616	5.67 ng	334349	Acenaphthene-d10	9.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082321\
Data File : BF125175.D
Acq On : 24 Aug 2021 2:06
Operator : JU/CG
Sample : M3513-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TR-04-082121

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

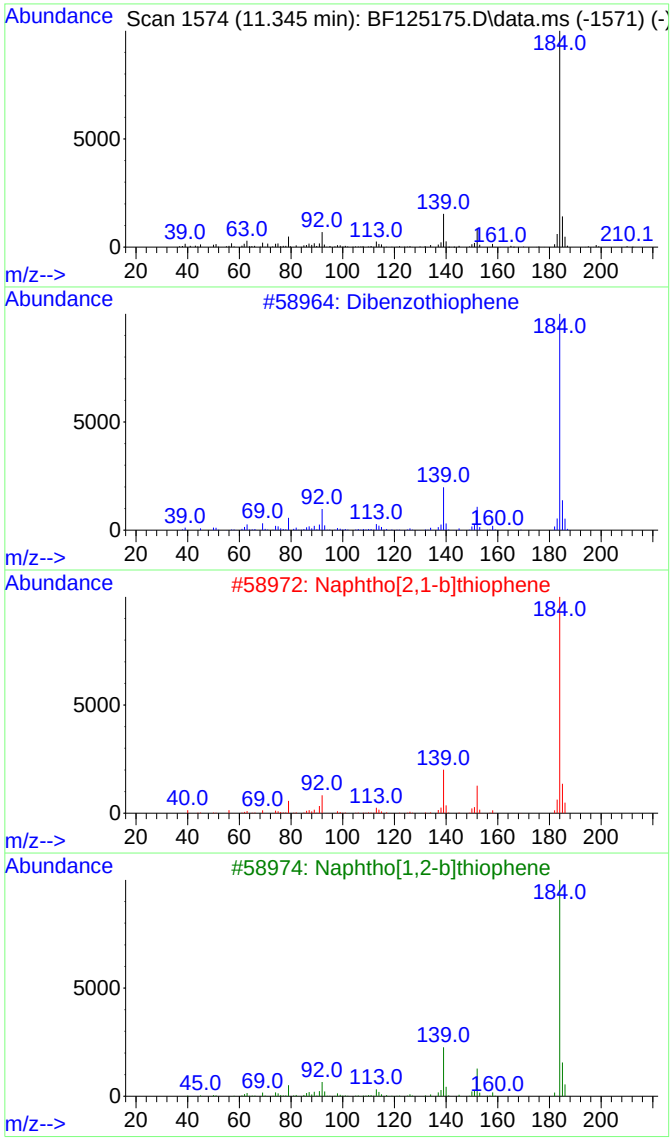
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

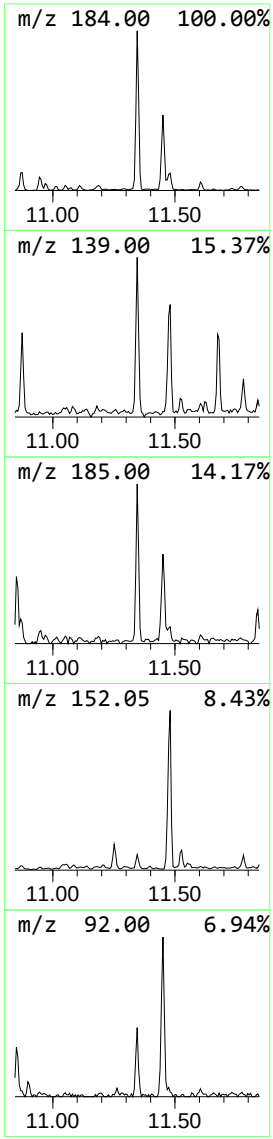
****

Peak Number 4 Dibenzothiophene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.345	6.00 ng	391145	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082321\
Data File : BF125175.D
Acq On : 24 Aug 2021 2:06
Operator : JU/CG
Sample : M3513-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-04-082121

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

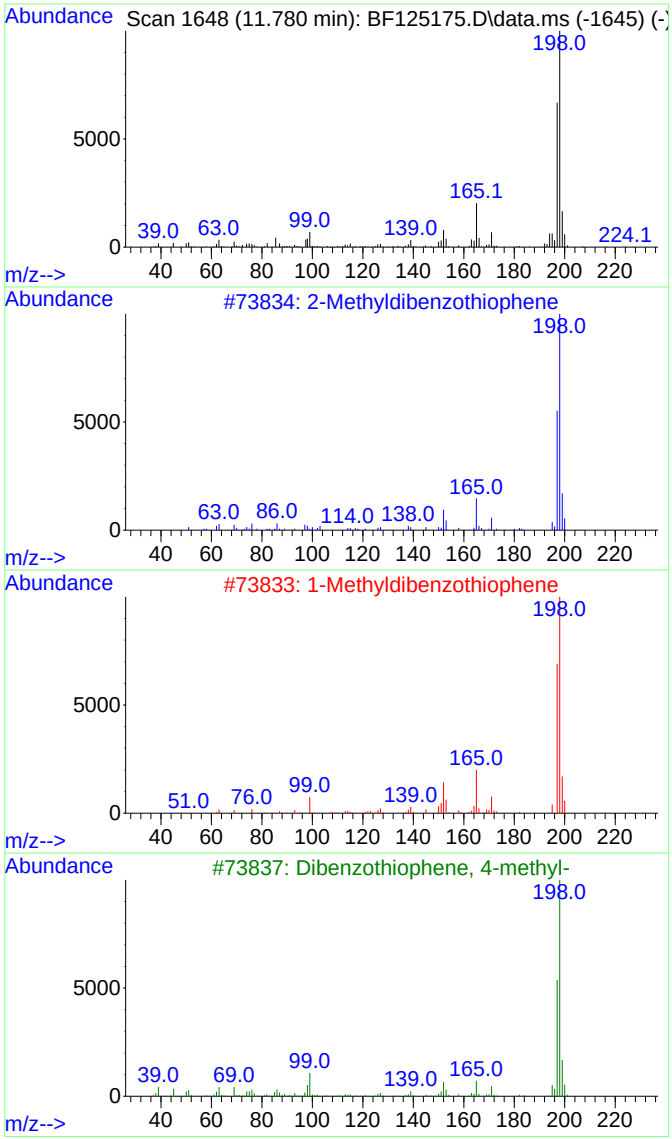
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

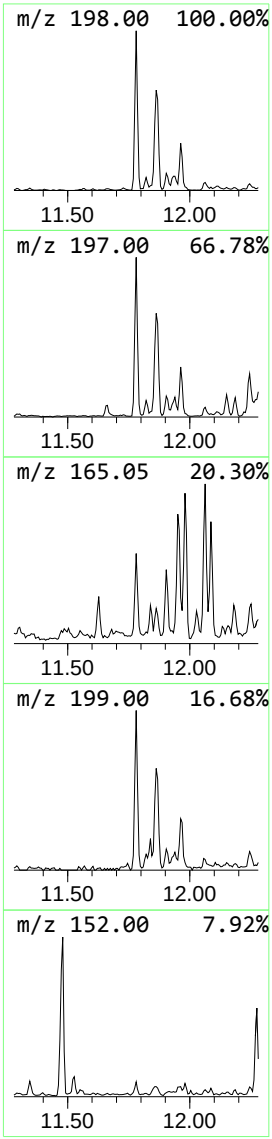
****

Peak Number 5 2-Methyldibenzothiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.780	7.78 ng	507195	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	93
2	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	90
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	87
4	Thioxanthene	198	C13H10S	000261-31-4	86
5	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	76





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Acq On : 24 Aug 2021 2:06
Operator : JU/CG
Sample : M3513-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TR-04-082121

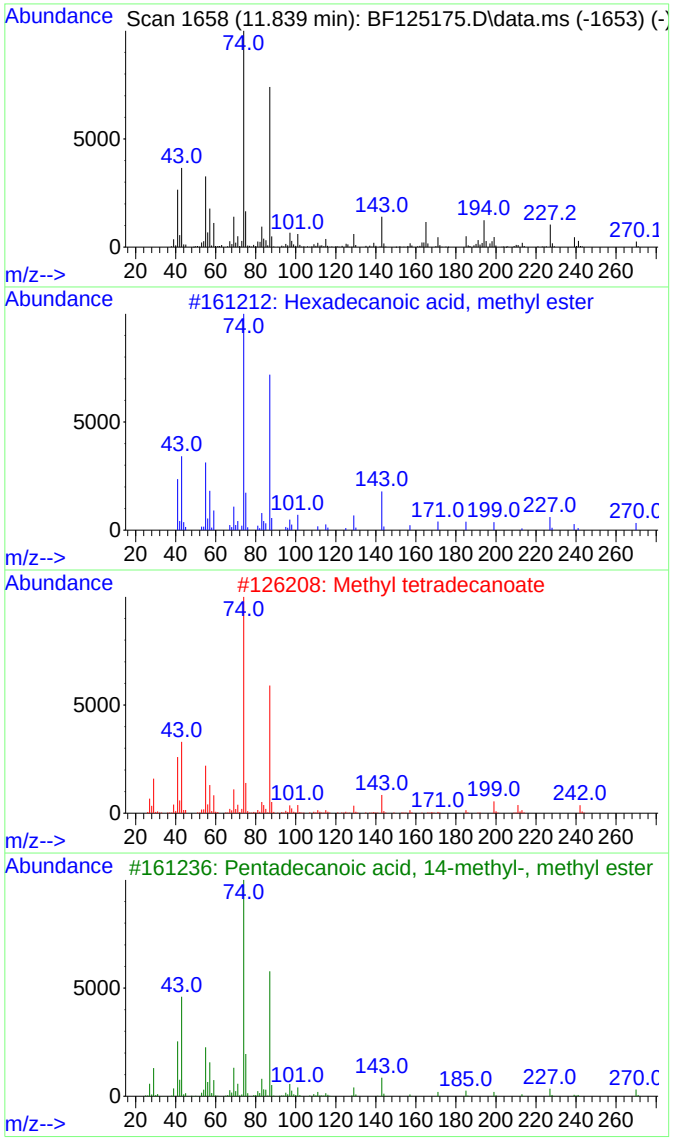
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

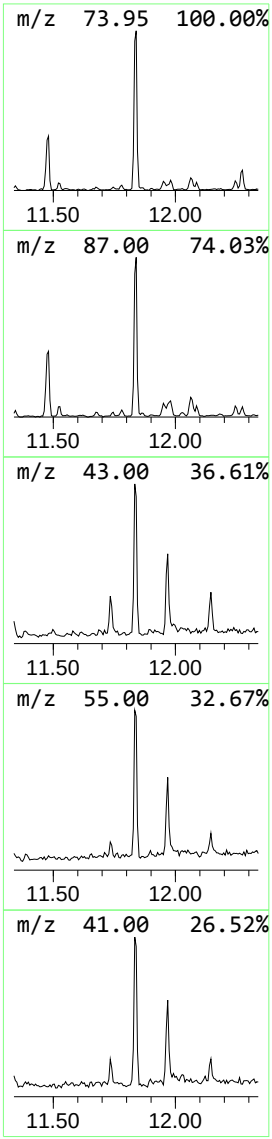
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Hexadecanoic acid, methyl e... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.839	8.76 ng	571476	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	98
2	Methyl tetradecanoate	242	C15H30O2	000124-10-7	93
3	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	93
4	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	89
5	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	80





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Operator : JU/CG
Sample : M3513-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TR-04-082121

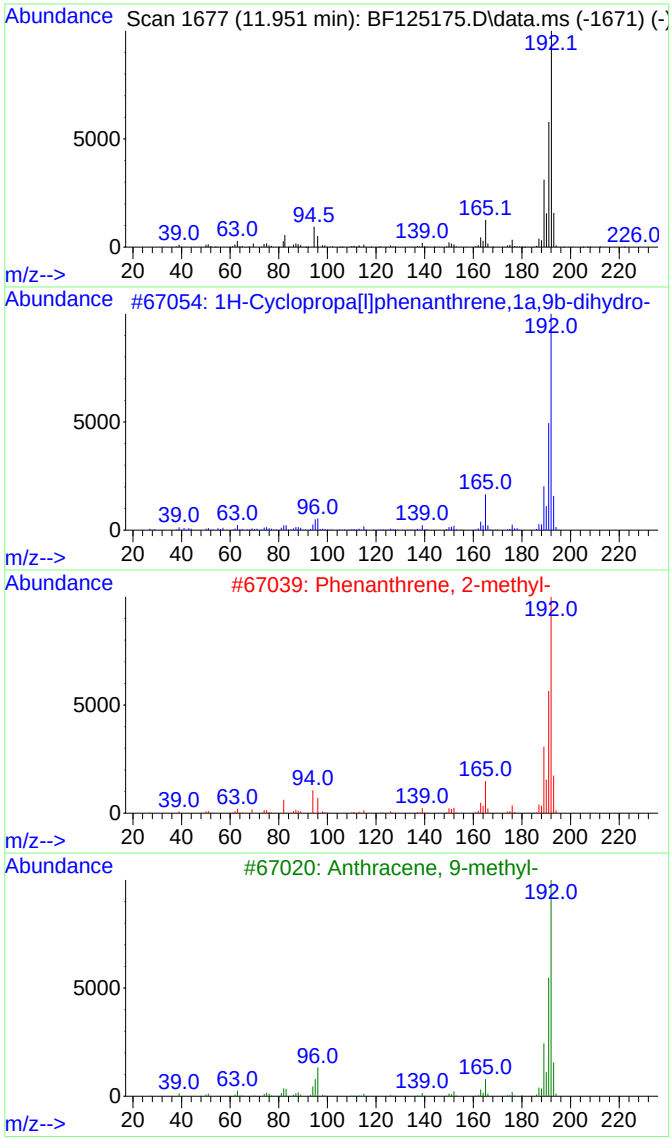
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

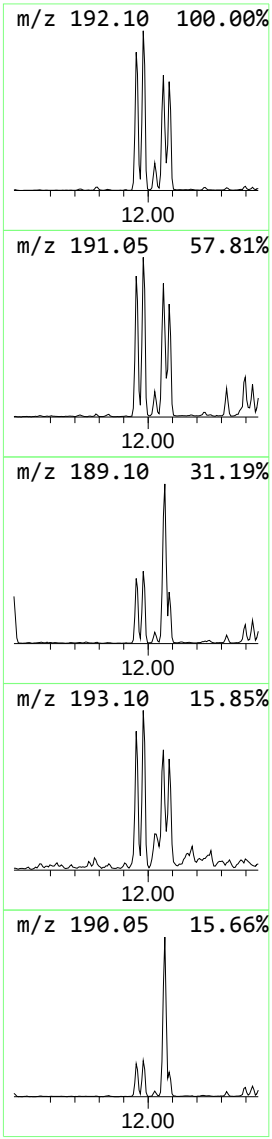
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 1H-Cyclopropa[l]phenanthren... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.951	21.14 ng	1379200	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





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Operator : JU/CG
Sample : M3513-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

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BNA_F
ClientSampleId :
TR-04-082121

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

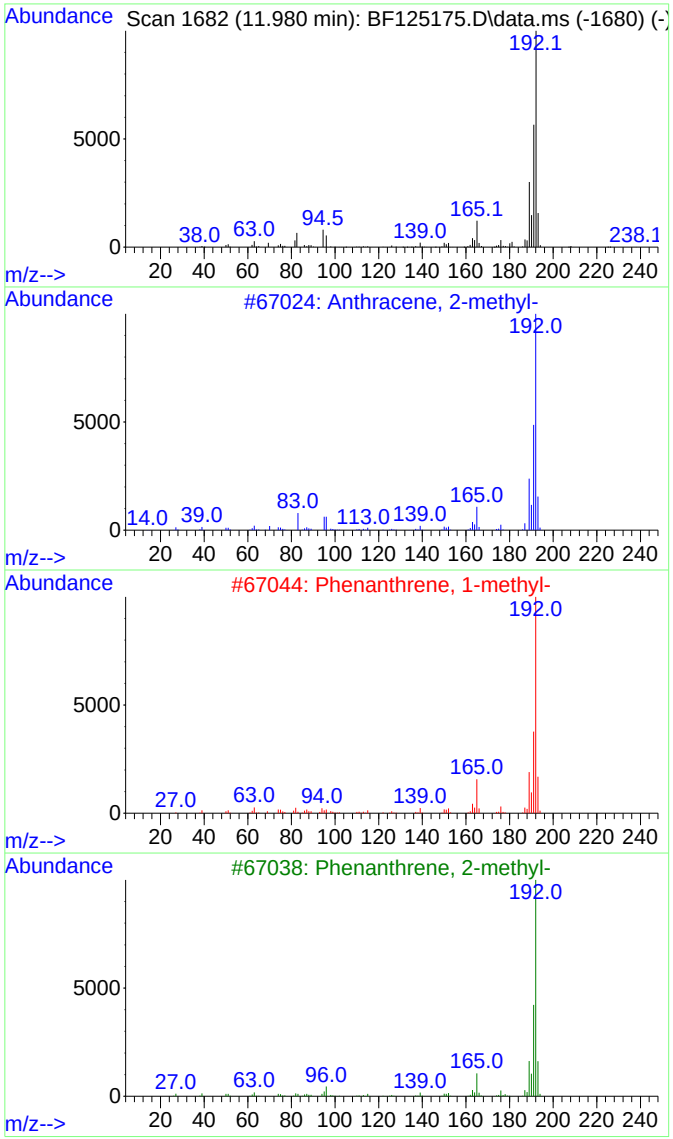
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

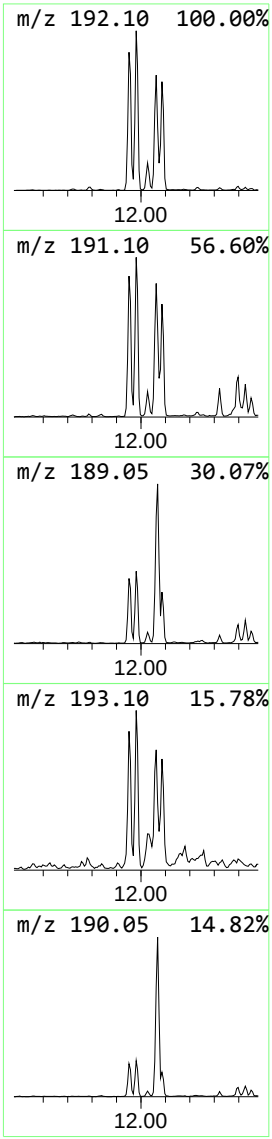
****

Peak Number 8 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.980	19.20 ng	1252440	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





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Acq On : 24 Aug 2021 2:06
Operator : JU/CG
Sample : M3513-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TR-04-082121

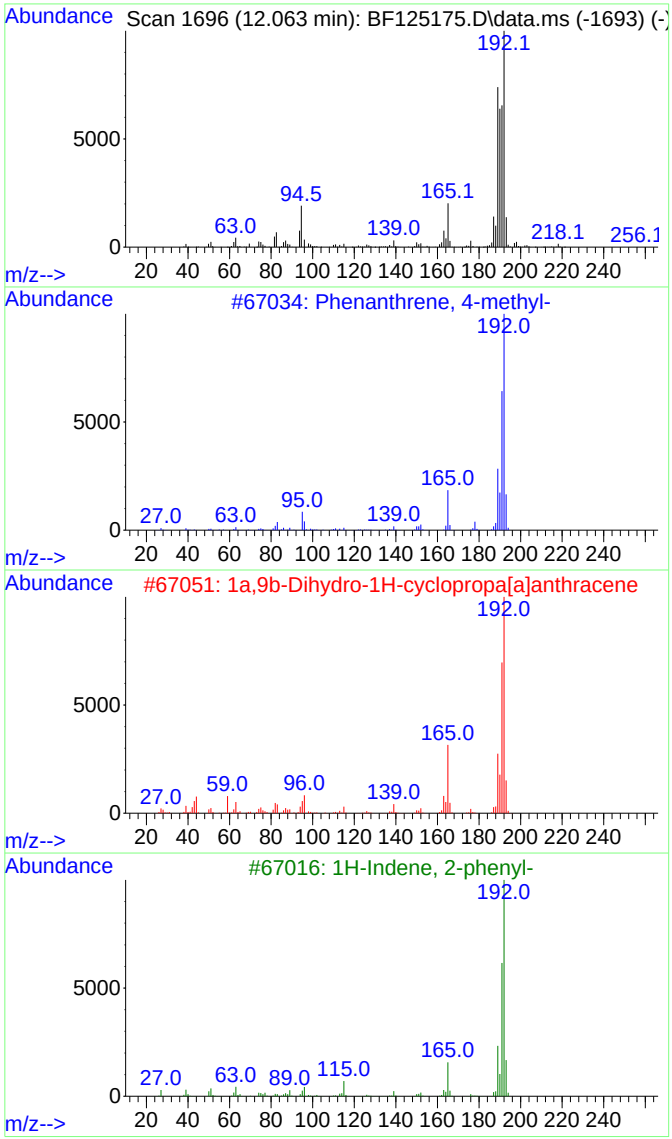
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

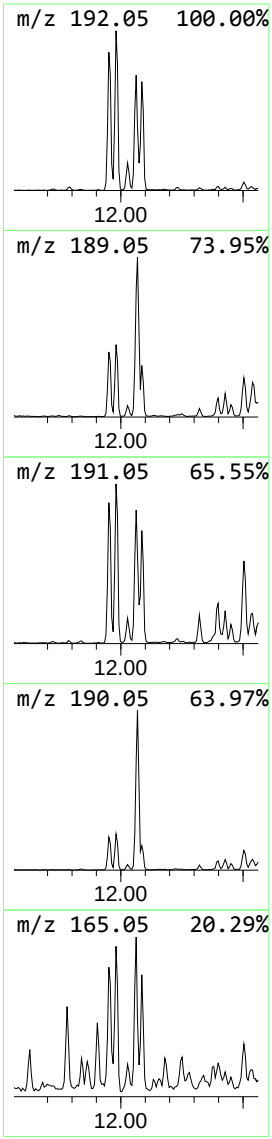
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Phenanthrene, 4-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.063	26.94 ng	1757040	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	50
2	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	50
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	50
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	50
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	50





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Sample : M3513-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TR-04-082121

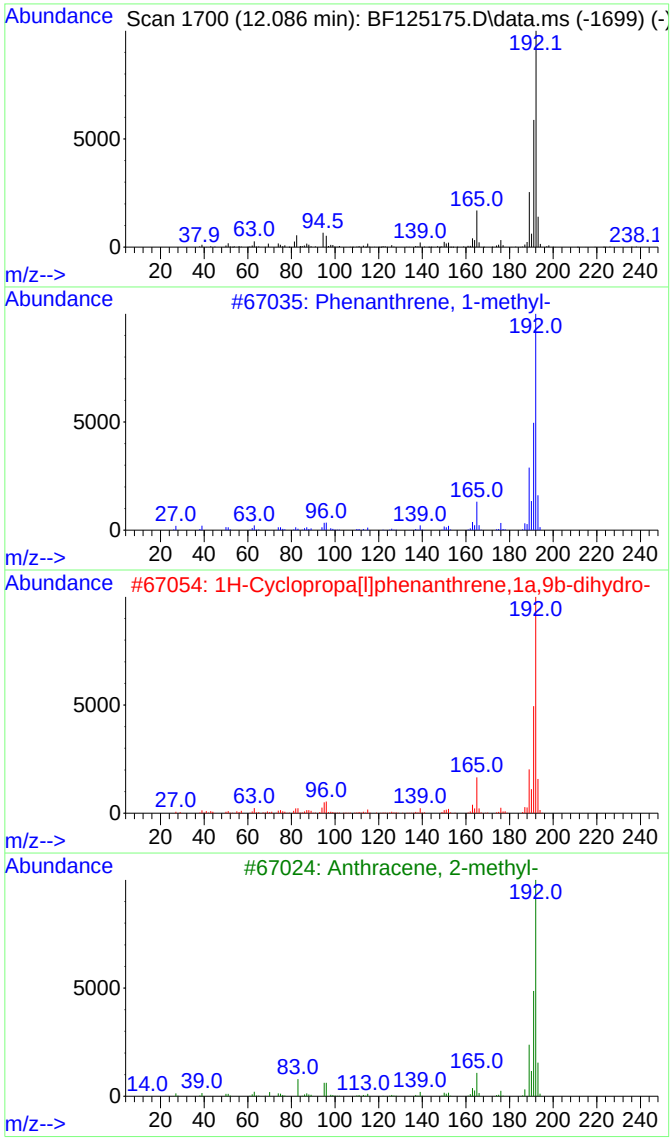
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

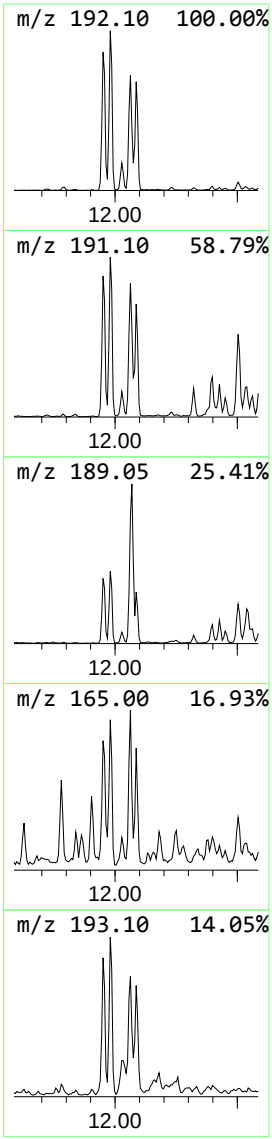
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.086	9.40 ng	613208	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	87
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87





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Acq On : 24 Aug 2021 2:06
Operator : JU/CG
Sample : M3513-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

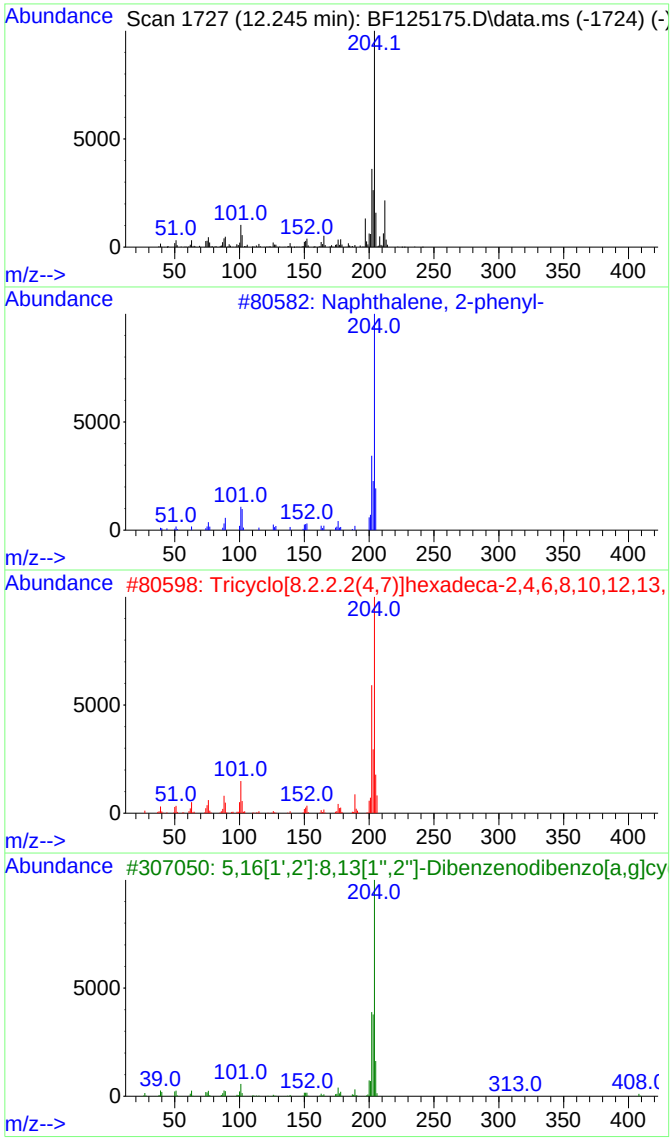
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

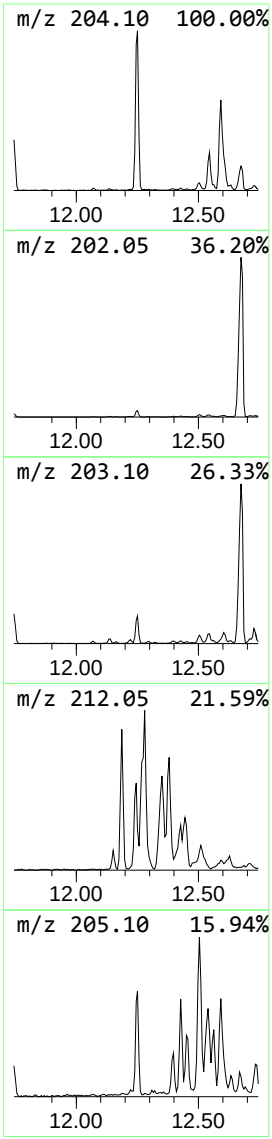
****

Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.245	11.84 ng	772157	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	83
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	58
4	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	50
5	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	49





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Operator : JU/CG
Sample : M3513-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

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

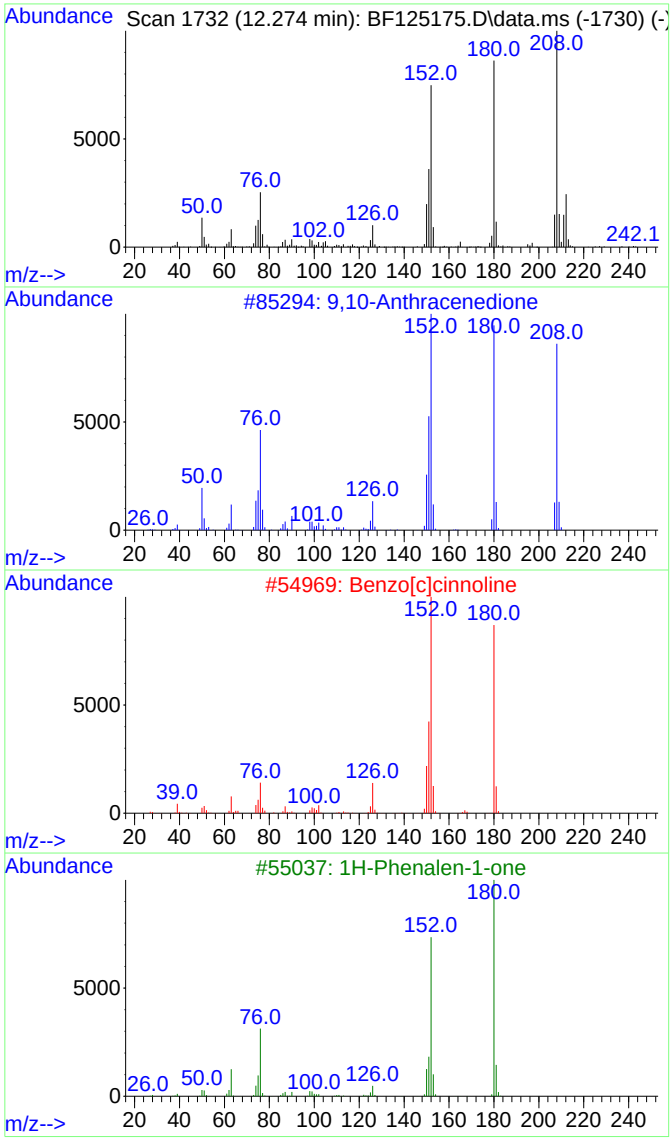
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

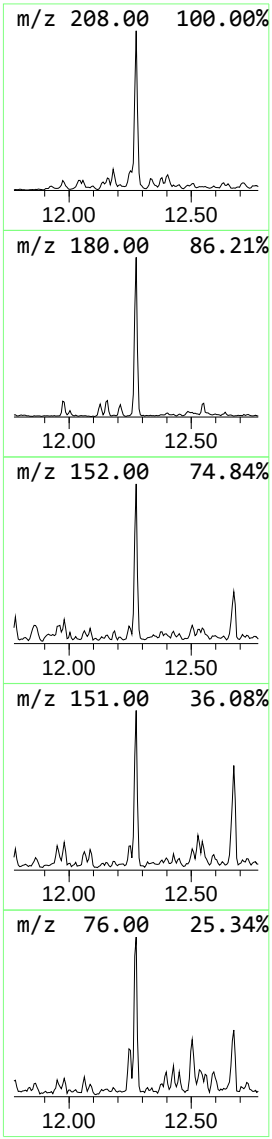
****

Peak Number 12 9,10-Anthracenedione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.274	12.95 ng	844643	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	55
4	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	53
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	49





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Sample : M3513-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

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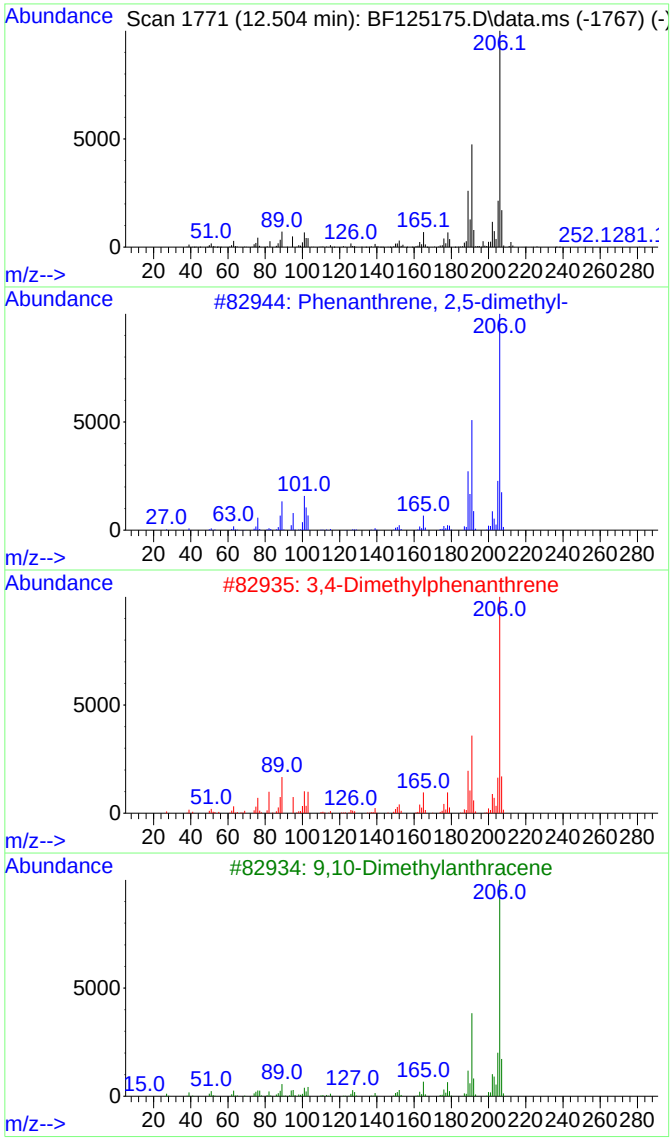
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

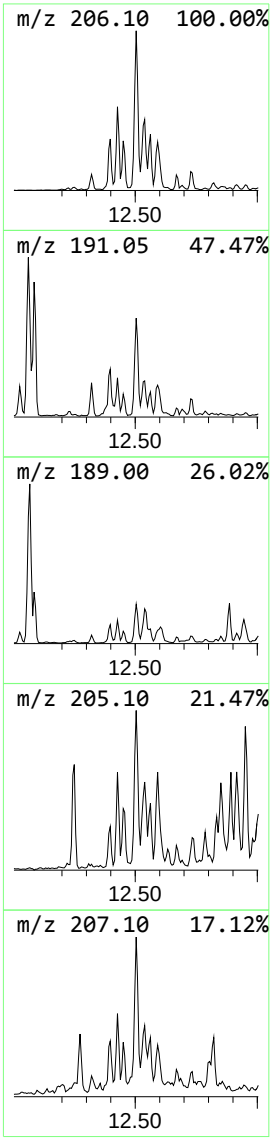
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.504	17.75 ng	1157920	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	90
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





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Sample : M3513-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

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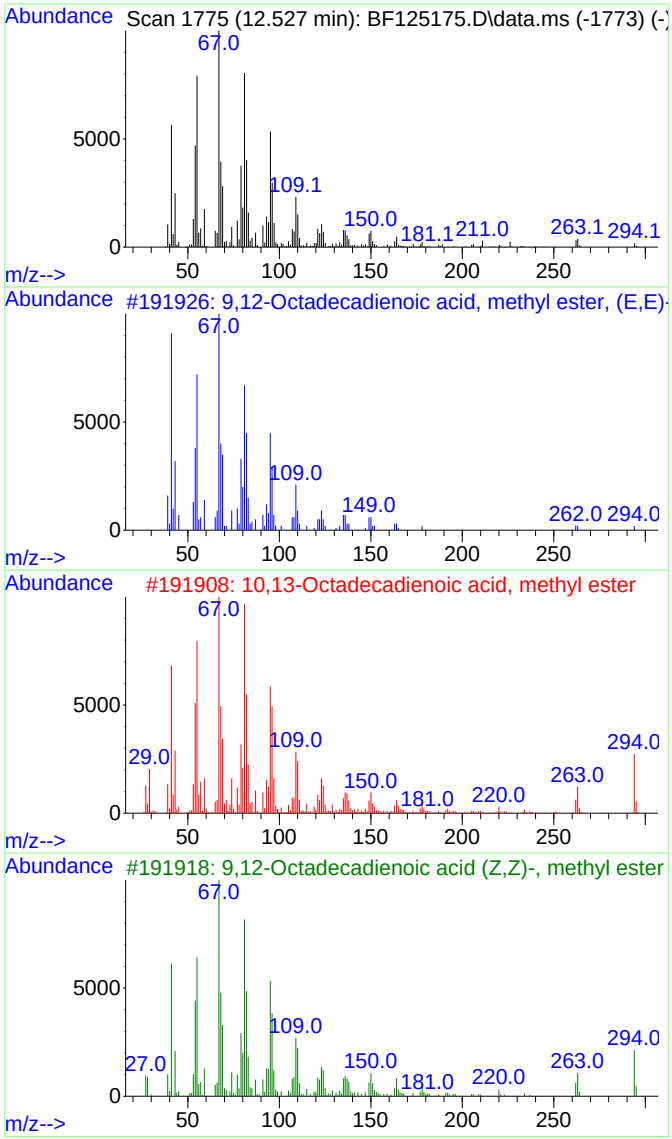
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

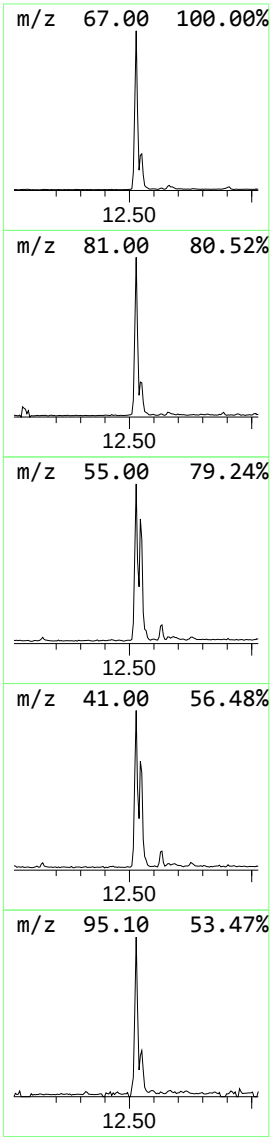
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 9,12-Octadecadienoic acid, ... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.527	44.54 ng	2905310	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	99
3	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
4	Methyl 10-trans,12-cis-octadecad...	294	C19H34O2	1000336-44-2	98
5	8,11-Octadecadienoic acid, methy...	294	C19H34O2	056599-58-7	96





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Sample : M3513-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

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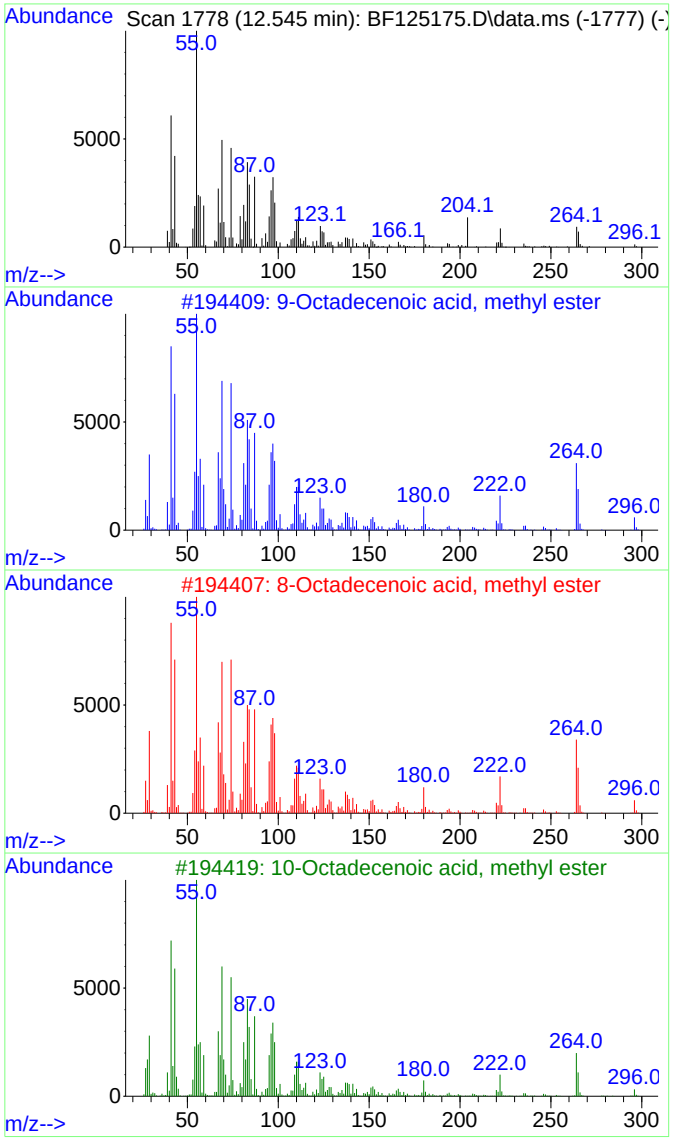
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

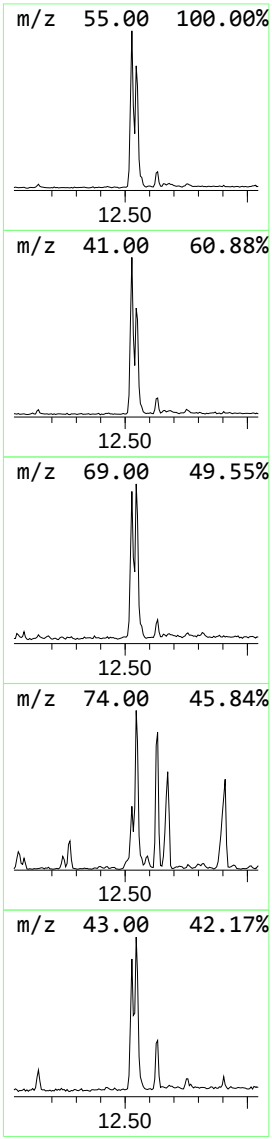
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 9-Octadecenoic acid, methyl... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.545	28.88 ng	1883860	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid, methyl ester	296	C19H36O2	002462-84-2	99
2	8-Octadecenoic acid, methyl ester	296	C19H36O2	002345-29-1	99
3	10-Octadecenoic acid, methyl ester	296	C19H36O2	013481-95-3	99
4	12-Octadecenoic acid, methyl ester	296	C19H36O2	056554-46-2	99
5	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	99





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Misc :
ALS Vial : 19 Sample Multiplier: 1

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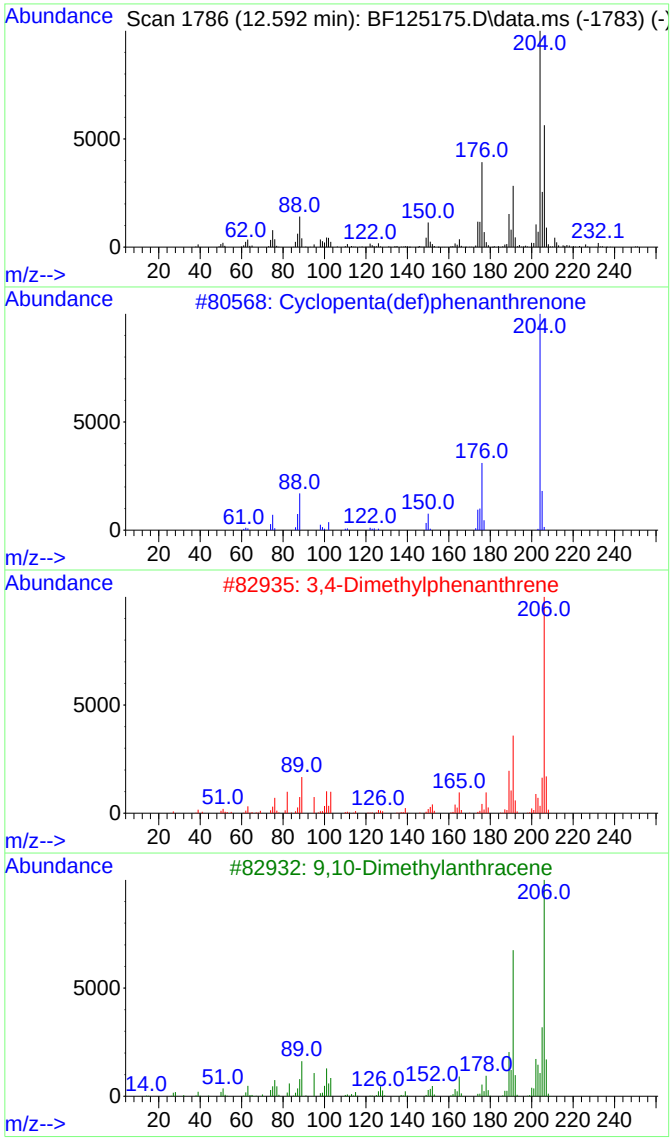
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

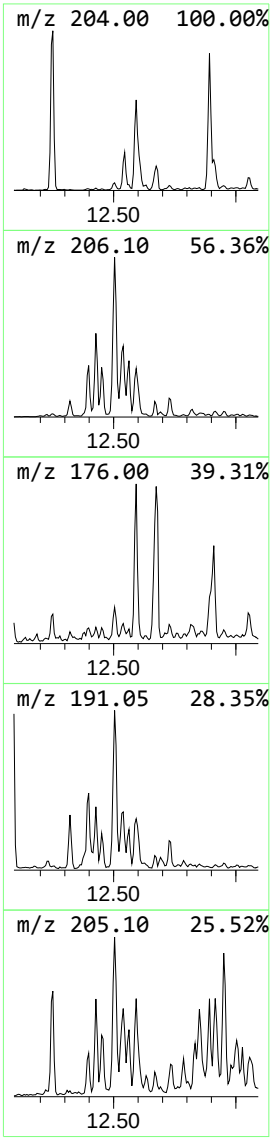
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.592	10.40 ng	678317	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	78
2	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	42
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	42
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	41
5	Phenanthrene-9-carboxaldehyde	206	C15H10O	004707-71-5	38





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Data File : BF125175.D
Acq On : 24 Aug 2021 2:06
Operator : JU/CG
Sample : M3513-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TR-04-082121

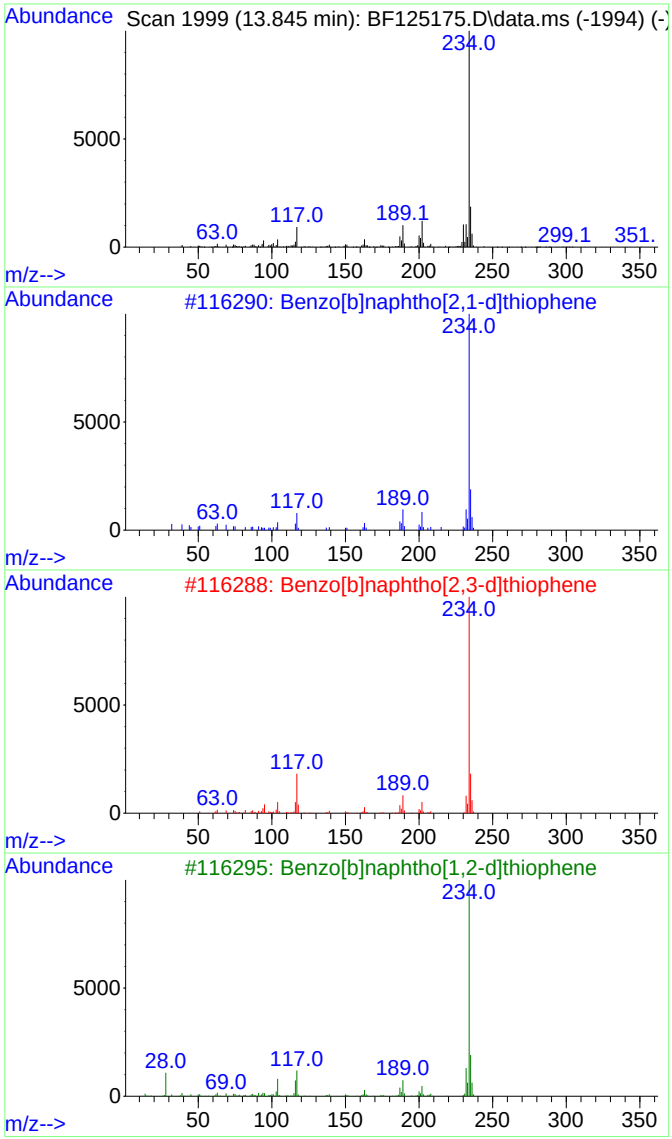
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

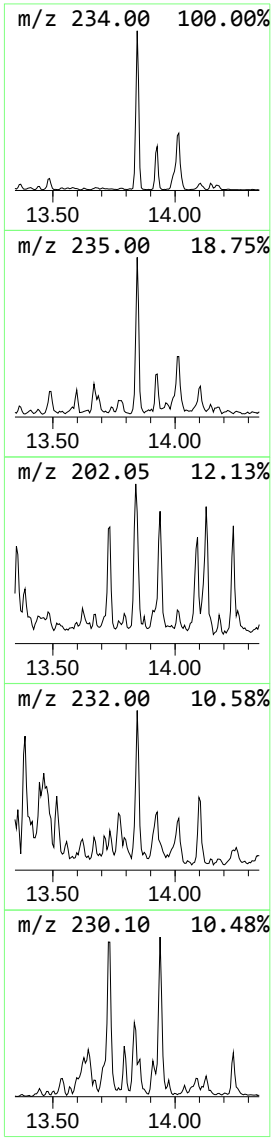
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.845	5.45 ng	1220500	Chrysene-d12	14.098

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	93
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	81
4	Phenanthro(2,1-b)thiophene	234	C16H10S	000219-25-0	64
5	Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	64





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Data File : BF125175.D
Acq On : 24 Aug 2021 2:06
Operator : JU/CG
Sample : M3513-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
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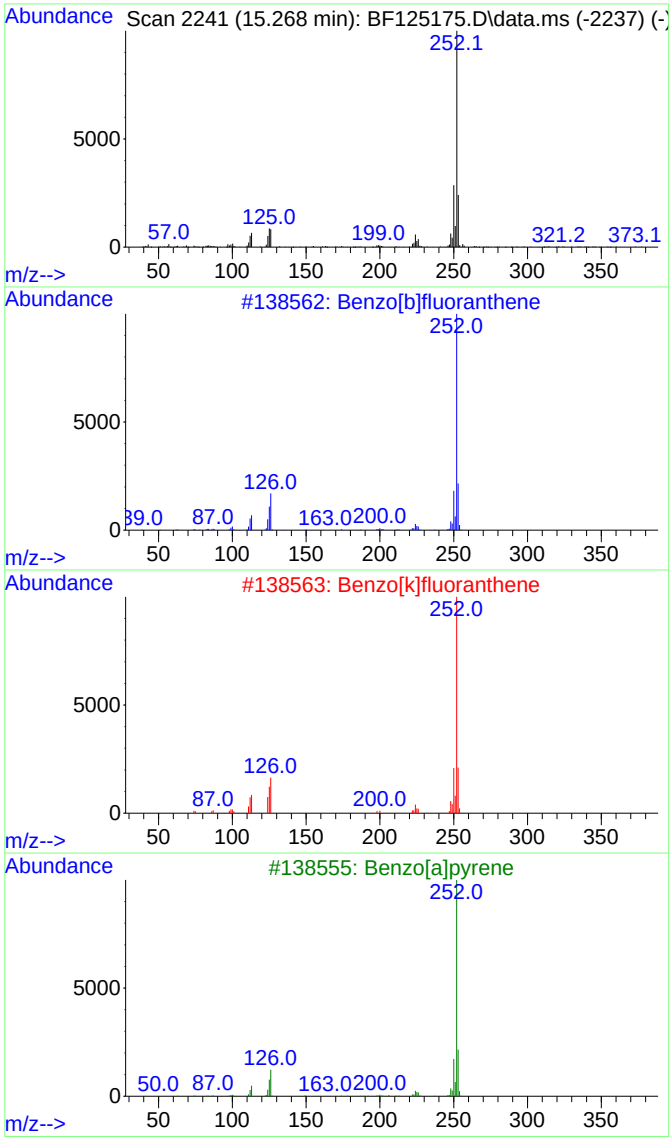
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

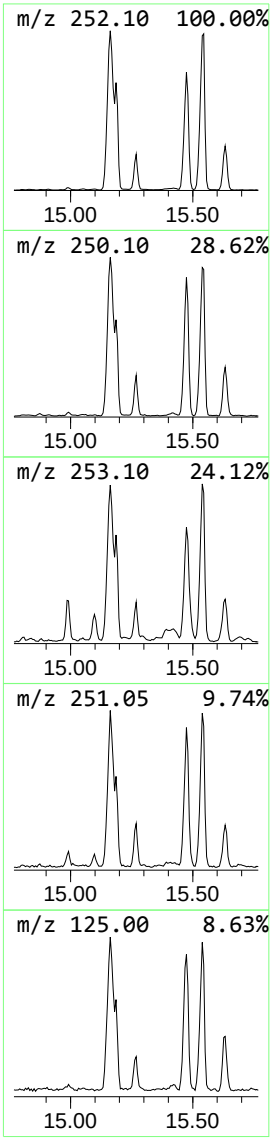
****

Peak Number 18 Benzo[e]pyrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.268	9.96 ng	391536	Perylene-d12	15.604

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benzo[e]pyrene	252	C20H12	000192-97-2	93
5	Perylene	252	C20H12	000198-55-0	89





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Acq On : 24 Aug 2021 2:06
Operator : JU/CG
Sample : M3513-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TR-04-082121

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.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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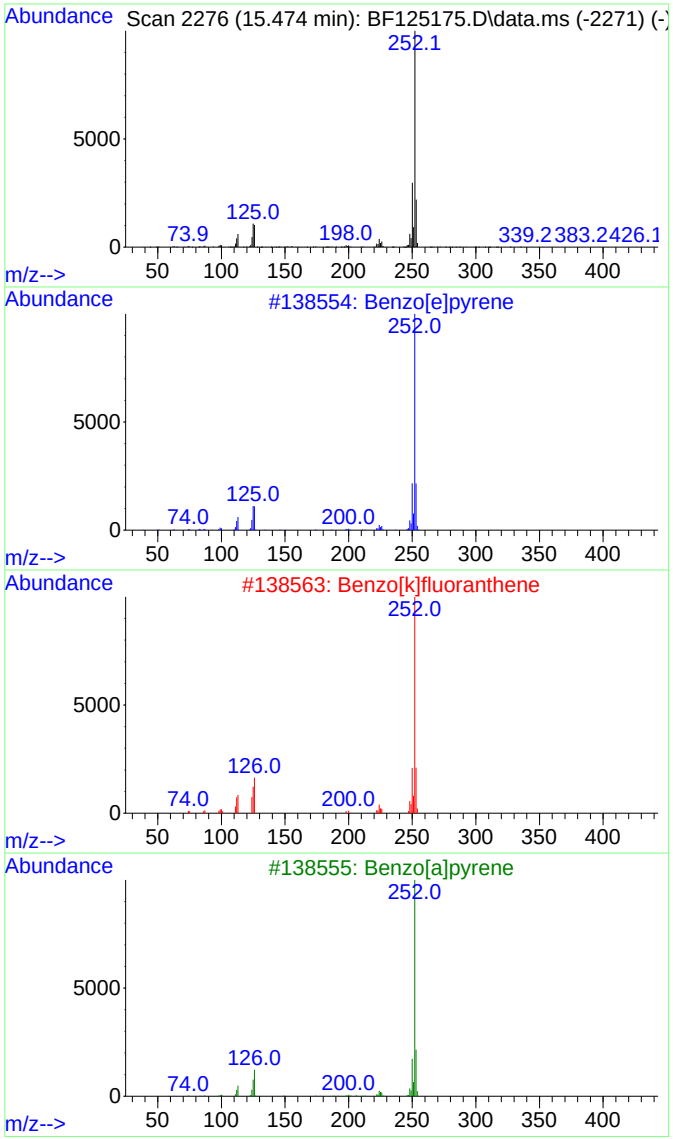
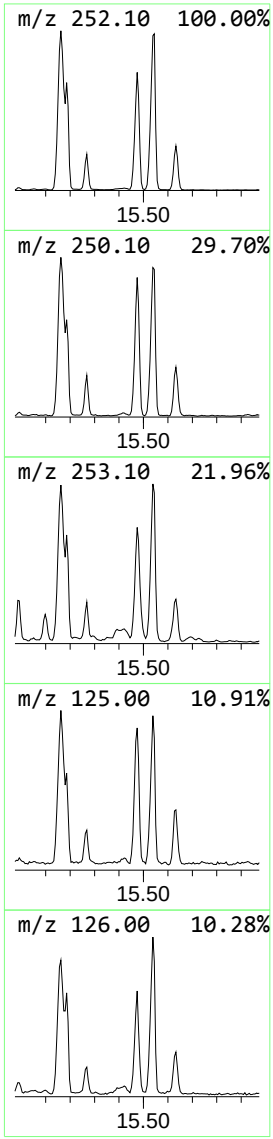
Peak Number 19 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.474	45.94 ng	1805800	Perylene-d12	15.604

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	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Perylene	252	C20H12	000198-55-0	96
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	95





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Data File : BF125175.D
Acq On : 24 Aug 2021 2:06
Operator : JU/CG
Sample : M3513-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TR-04-082121

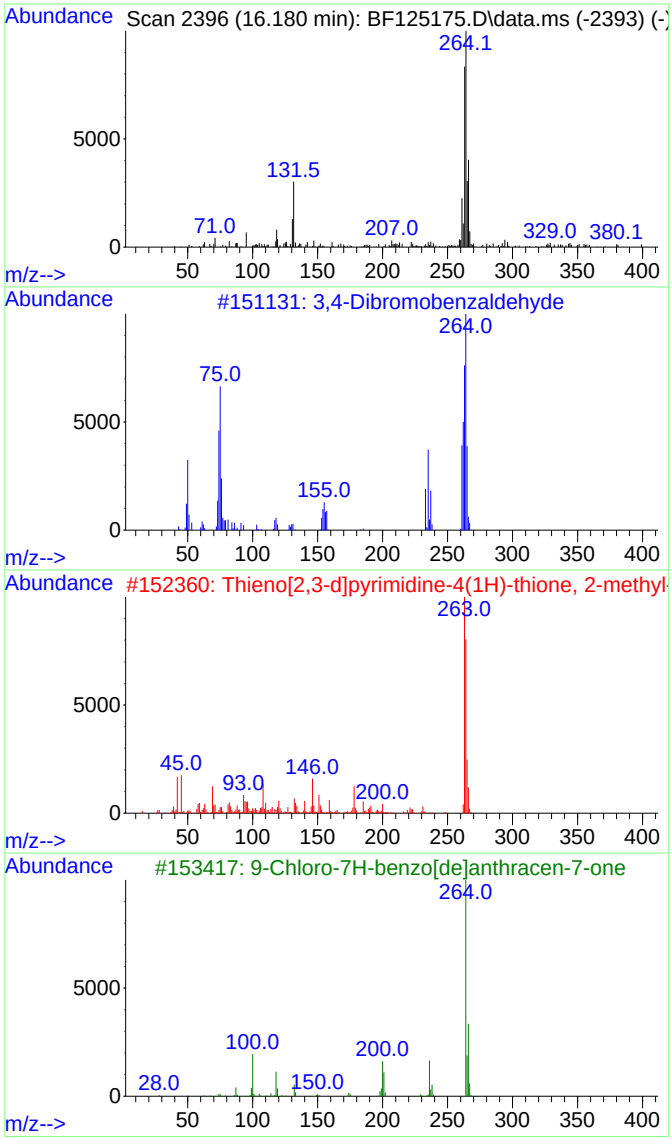
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

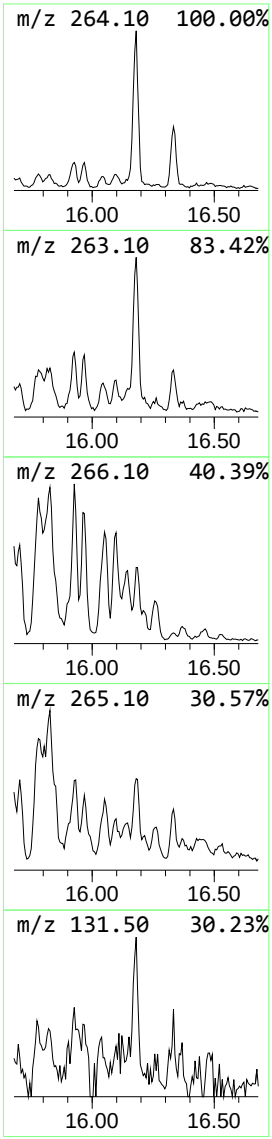
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 3,4-Dibromobenzaldehyde Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.180	6.42 ng	252239	Perylene-d12	15.604

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dibromobenzaldehyde	262	C7H4Br2O	074003-55-7	58
2	Thieno[2,3-d]pyrimidine-4(1H)-th...	264	C11H8N2S3	732292-19-2	50
3	9-Chloro-7H-benzo[de]anthracen-7...	264	C17H9ClO	024092-47-5	38
4	1H-Isoindole-1,3(2H)-dione, 2-(2...	263	C17H13NO2	016307-59-8	37
5	Benzene, 1,2-dibromo-4,5-dimethyl-	262	C8H8Br2	024932-48-7	35





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082321\
Data File : BF125175.D
Acq On : 24 Aug 2021 2:06
Operator : JU/CG
Sample : M3513-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-04-082121

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.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
Butane, 2-metho...	2.193	10.7	ng	551748	1	6.922	1033410	20.0
Ethanol, 2-(2-b...	8.098	5.4	ng	354809	2	8.204	1308090	20.0
Naphthalene, 2,...	9.616	5.7	ng	334349	3	9.963	1179820	20.0
Dibenzothiophene	11.345	6.0	ng	391145	4	11.451	1304560	20.0
2-Methyldibenzo...	11.780	7.8	ng	507195	4	11.451	1304560	20.0
Hexadecanoic ac...	11.839	8.8	ng	571476	4	11.451	1304560	20.0
1H-Cyclopropa[l...	11.951	21.1	ng	1379200	4	11.451	1304560	20.0
Anthracene, 2-m...	11.980	19.2	ng	1252440	4	11.451	1304560	20.0
Phenanthrene, 4...	12.063	26.9	ng	1757040	4	11.451	1304560	20.0
Phenanthrene, 1...	12.086	9.4	ng	613208	4	11.451	1304560	20.0
Naphthalene, 2-...	12.245	11.8	ng	772157	4	11.451	1304560	20.0
9,10-Anthracene...	12.274	12.9	ng	844643	4	11.451	1304560	20.0
Phenanthrene, 2...	12.504	17.8	ng	1157920	4	11.451	1304560	20.0
9,12-Octadecadi...	12.527	44.5	ng	2905310	4	11.451	1304560	20.0
9-Octadecenoic ...	12.545	28.9	ng	1883860	4	11.451	1304560	20.0
Cyclopenta(def)...	12.592	10.4	ng	678317	4	11.451	1304560	20.0
Benzo[b]naphtho...	13.845	5.5	ng	1220500	5	14.098	4480550	20.0
Benzo[e]pyrene	15.268	10.0	ng	391536	6	15.604	786078	20.0
Perylene	15.474	45.9	ng	1805800	6	15.604	786078	20.0
3,4-Dibromobenz...	16.180	6.4	ng	252239	6	15.604	786078	20.0