LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102721\
Data File : BF125974.D
Acq On : 27 Oct 2021 20:53
Operator : JU/CG
Sample : M4348-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 370

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-BF102521.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF125974.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.146	3	10	16	rVB	2565672	3508861	63.38%	3.648%
2	3.375	207	219	236	rBV	433012	1300720	23.49%	1.352%
3	5.081	506	509	514	rVB	102313	113047	2.04%	0.118%
4	5.475	571	576	579	rBV	5367961	5522556	99.75%	5.742%
5	6.481	741	747	750	rBV	4644847	5536232	100.00%	5.756%
6	6.857	805	811	814	rBV	1524453	1191033	21.51%	1.238%
7	7.416	901	906	909	rBV	3491167	3591861	64.88%	3.734%
8	8.039	1009	1012	1017	rBV	895783	838402	15.14%	0.872%
9	8.139	1025	1029	1031	rBV	1880019	1583290	28.60%	1.646%
10	8.157	1031	1032	1037	rVV	616603	463100	8.36%	0.481%
11	8.851	1144	1150	1153	rVB	376879	318133	5.75%	0.331%
12	8.898	1153	1158	1162	rBV	121315	106462	1.92%	0.111%
13	8.951	1162	1167	1171	rVB	224808	204473	3.69%	0.213%
14	9.163	1201	1203	1207	rBV	97562	89792	1.62%	0.093%
15	9.216	1207	1212	1215	rBV	5318051	4817242	87.01%	5.009%
16	9.310	1223	1228	1230	rBV	162566	173255	3.13%	0.180%
17	9.363	1230	1237	1240	rVV	849012	1301041	23.50%	1.353%
18	9.475	1253	1256	1261	rVB2	101006	134877	2.44%	0.140%
19	9.551	1263	1269	1271	rBV	147450	155099	2.80%	0.161%
20	9.622	1276	1281	1283	rBV2	196549	190406	3.44%	0.198%
21	9.751	1300	1303	1308	rVB	154990	139328	2.52%	0.145%
22	9.845	1315	1319	1321	rBV	305190	309501	5.59%	0.322%
23	9.892	1321	1327	1330	rVV	2018848	1830568	33.07%	1.903%
24	9.922	1330	1332	1336	rVV	1868600	1672004	30.20%	1.738%
25	10.051	1350	1354	1358	rBV2	99702	110534	2.00%	0.115%
26	10.092	1358	1361	1365	rVV	913641	778174	14.06%	0.809%
27	10.439	1416	1420	1423	rBV	1701526	1442461	26.05%	1.500%
28	10.504	1425	1431	1433	rVV	208704	269052	4.86%	0.280%
29	10.528	1433	1435	1437	rVV	205891	185081	3.34%	0.192%
30	10.551	1437	1439	1441	rVV	248439	199830	3.61%	0.208%
31	10.598	1444	1447	1451	rVB	226363	226017	4.08%	0.235%
32	10.680	1451	1461	1464	rBV	3453544	3374811	60.96%	3.509%
33	10.710	1464	1466	1473	rVB4	84268	142643	2.58%	0.148%
34	10.780	1475	1478	1480	rBV	101558	88190	1.59%	0.092%
35	10.816	1480	1484	1489	rVB2	264945	310380	5.61%	0.323%
36	10.869	1490	1493	1497	rBV4	115359	110956	2.00%	0.115%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102721\
Data File : BF125974.D
Acq On : 27 Oct 2021 20:53
Operator : JU/CG
Sample : M4348-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 370

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-BF102521.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	10.986	1510	1513	1515	rVV2	229838	222927	4.03%	0.232%
38	11.016	1515	1518	1521	rVV3	105226	117696	2.13%	0.122%
39	11.069	1524	1527	1530	rVB3	109576	112621	2.03%	0.117%
40	11.116	1530	1535	1536	rBV2	83613	122680	2.22%	0.128%
41	11.186	1544	1547	1551	rBV	757590	680984	12.30%	0.708%
42	11.228	1551	1554	1559	rVV2	131674	229217	4.14%	0.238%
43	11.275	1559	1562	1567	rVB2	470322	534581	9.66%	0.556%
44	11.375	1575	1579	1581	rBV	1573185	1532573	27.68%	1.593%
45	11.404	1581	1584	1587	rVV	5012233	4513720	81.53%	4.693%
46	11.451	1587	1592	1595	rVV	675846	622739	11.25%	0.647%
47	11.480	1595	1597	1601	rVB	248805	224635	4.06%	0.234%
48	11.604	1614	1618	1620	rBV	439598	338305	6.11%	0.352%
49	11.675	1627	1630	1632	rBV	110470	88143	1.59%	0.092%
50	11.775	1644	1647	1654	rVB2	79500	130669	2.36%	0.136%
51	11.875	1659	1664	1667	rBV	415140	413414	7.47%	0.430%
52	11.904	1667	1669	1673	rVB	694450	540653	9.77%	0.562%
53	11.951	1673	1677	1680	rBV2	196340	189675	3.43%	0.197%
54	11.992	1680	1684	1686	rBV2	1259282	1203932	21.75%	1.252%
55	12.174	1712	1715	1723	rVB	342476	364329	6.58%	0.379%
56	12.322	1735	1740	1743	rBV2	103560	113141	2.04%	0.118%
57	12.363	1743	1747	1755	rVV	1760511	1904965	34.41%	1.981%
58	12.427	1755	1758	1761	rVV	202188	253252	4.57%	0.263%
59	12.463	1761	1764	1766	rVV2	132298	158114	2.86%	0.164%
60	12.510	1769	1772	1777	rVV3	116745	151881	2.74%	0.158%
61	12.592	1781	1786	1789	rVB	4696760	4275276	77.22%	4.445%
62	12.633	1789	1793	1799	rBV2	111638	181371	3.28%	0.189%
63	12.739	1808	1811	1815	rVB	158661	162141	2.93%	0.169%
64	12.822	1818	1825	1830	rBV2	3059432	3947173	71.30%	4.104%
65	12.863	1830	1832	1838	rVB2	158722	164253	2.97%	0.171%
66	12.933	1841	1844	1846	rBV	242144	229951	4.15%	0.239%
67	12.963	1846	1849	1853	rVV	4382586	3900062	70.45%	4.055%
68	13.033	1856	1861	1864	rBV2	174849	300936	5.44%	0.313%
69	13.121	1869	1876	1877	rBV4	159435	245918	4.44%	0.256%
70	13.145	1877	1880	1883	rVB	700975	623497	11.26%	0.648%
71	13.210	1888	1891	1894	rBV	815129	674467	12.18%	0.701%
72	13.245	1894	1897	1900	rBV2	250154	238277	4.30%	0.248%
73	13.274	1900	1902	1905	rVB	185472	141705	2.56%	0.147%
74	13.339	1910	1913	1915	rBV	114379	100132	1.81%	0.104%
75	13.392	1915	1922	1929	rBV	3181395	3387533	61.19%	3.522%
76	13.627	1958	1962	1965	rBV3	75274	127439	2.30%	0.132%

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Acq On : 27 Oct 2021 20:53
Operator : JU/CG
Sample : M4348-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 370

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-BF102521.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.763	1981	1985	1988	rBV	264256	274470	4.96%	0.285%
78	13.792	1988	1990	1992	rVV	216704	188277	3.40%	0.196%
79	13.810	1992	1993	1998	rVV2	159236	212611	3.84%	0.221%
80	13.863	1999	2002	2007	rVV2	381603	430369	7.77%	0.447%
81	14.010	2019	2027	2030	rBV2	1705382	2645278	47.78%	2.750%
82	14.039	2030	2032	2037	rVB	1108717	935154	16.89%	0.972%
83	14.116	2041	2045	2048	rBV	298285	274058	4.95%	0.285%
84	14.221	2061	2063	2069	rVB2	104731	162634	2.94%	0.169%
85	14.310	2073	2078	2086	rBV	4325291	4753904	85.87%	4.943%
86	14.398	2091	2093	2096	rVV	194893	197587	3.57%	0.205%
87	14.433	2096	2099	2102	rVV2	125958	134788	2.43%	0.140%
88	14.492	2106	2109	2112	rVV3	146826	231281	4.18%	0.240%
89	14.545	2116	2118	2121	rVB3	158312	138305	2.50%	0.144%
90	14.698	2141	2144	2149	rBV5	72923	113998	2.06%	0.119%
91	15.051	2199	2204	2207	rBV	710397	1036818	18.73%	1.078%
92	15.157	2218	2222	2227	rVB2	128189	148147	2.68%	0.154%
93	15.215	2227	2232	2245	rBV	2913275	4195375	75.78%	4.362%
94	15.351	2251	2255	2261	rVB	384988	492741	8.90%	0.512%
95	15.410	2261	2265	2269	rBV	408094	485157	8.76%	0.504%
96	15.480	2272	2277	2280	rBV	937339	1197127	21.62%	1.245%
97	16.021	2365	2369	2375	rVB4	102918	182862	3.30%	0.190%
98	16.445	2435	2441	2457	rBV	723980	1672086	30.20%	1.738%
99	16.921	2518	2522	2529	rVB3	92076	183681	3.32%	0.191%
100	17.362	2593	2597	2602	rVB	58671	100181	1.81%	0.104%

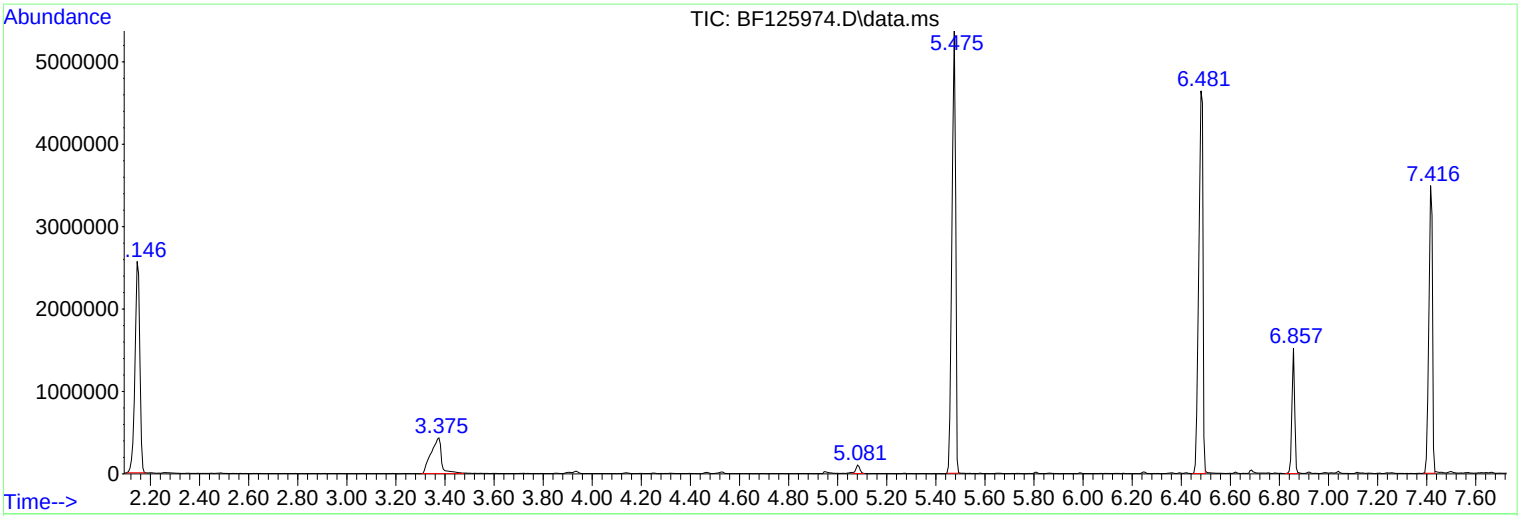
Sum of corrected areas: 96181278

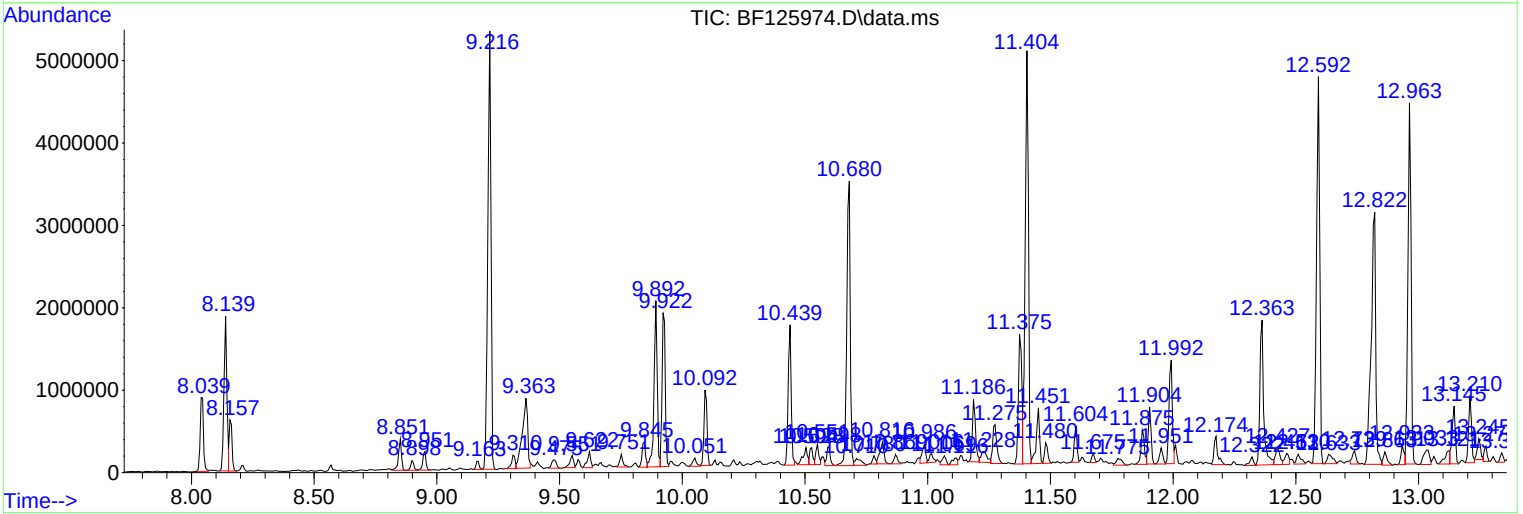
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102721\
Data File : BF125974.D
Acq On : 27 Oct 2021 20:53
Operator : JU/CG
Sample : M4348-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

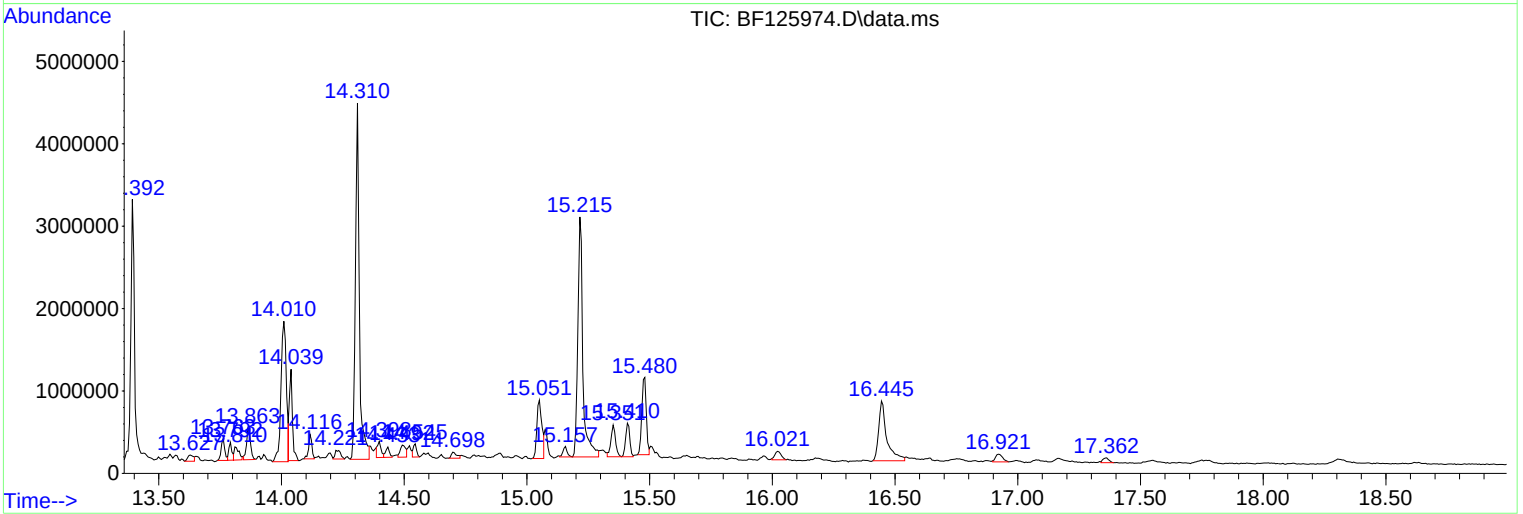
Instrument :
BNA_F
ClientSampleId :
370

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.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\BF102721\
Data File : BF125974.D
Acq On : 27 Oct 2021 20:53
Operator : JU/CG
Sample : M4348-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 370

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

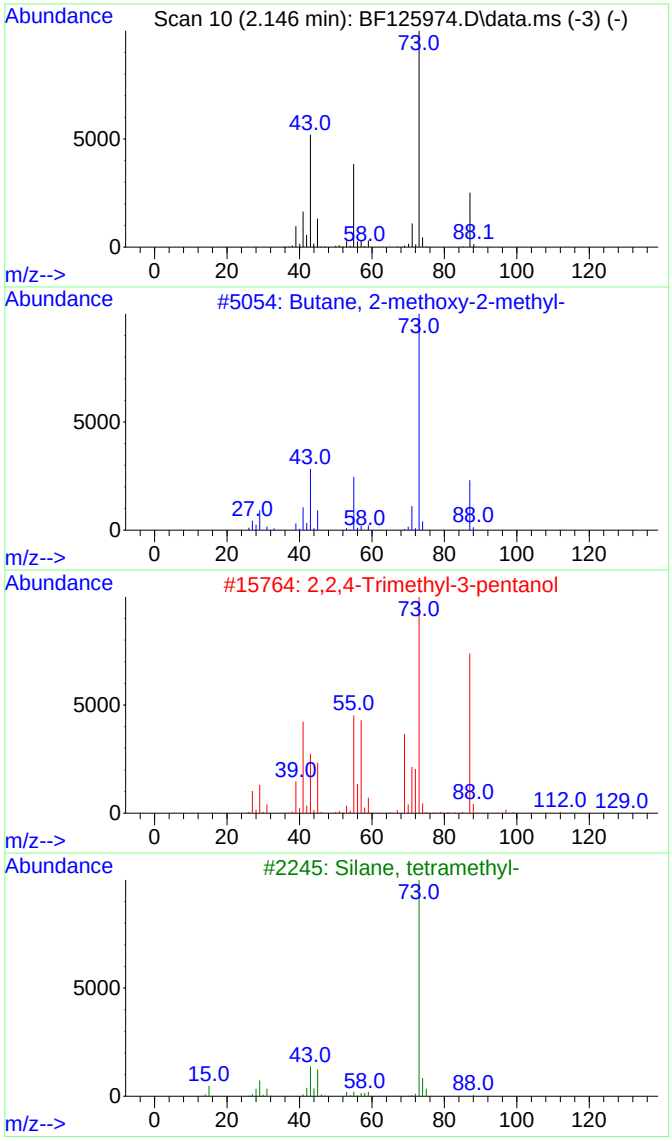
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

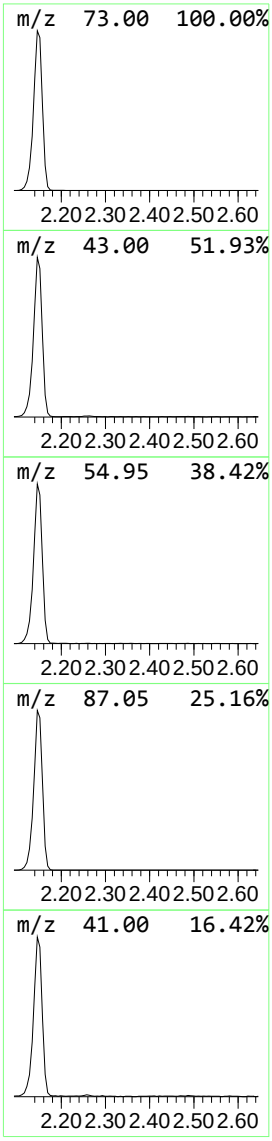
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.146	58.92 ng	3508860	1,4-Dichlorobenzene-d4	6.857

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	Silane, tetramethyl-	88	C4H12Si	000075-76-3	35
4	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	23
5	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102721\
Data File : BF125974.D
Acq On : 27 Oct 2021 20:53
Operator : JU/CG
Sample : M4348-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 370

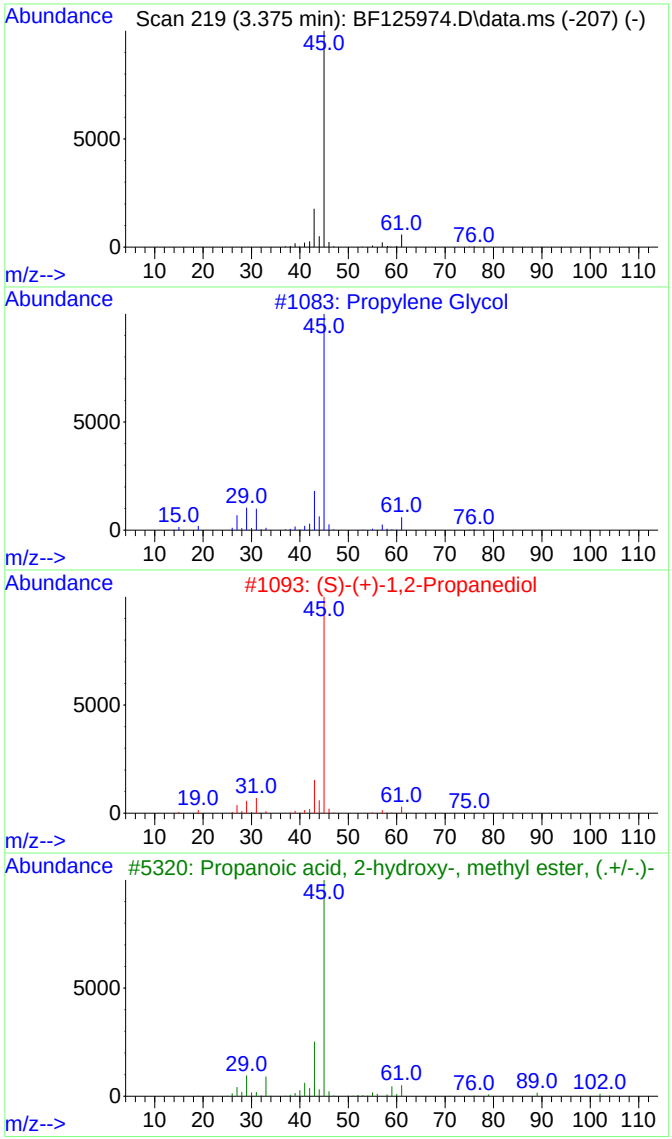
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

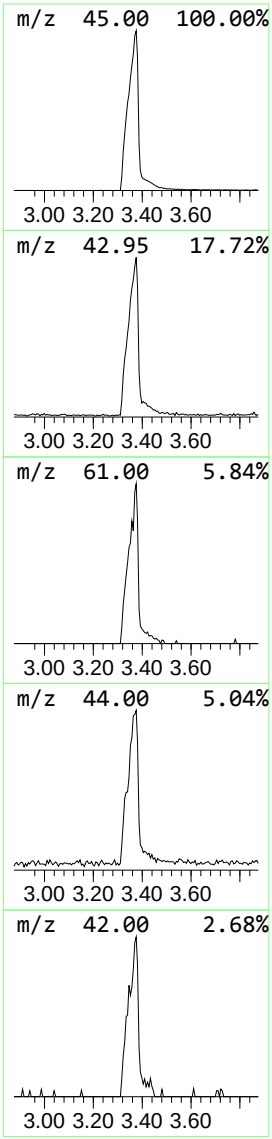
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Propylene Glycol Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.375	21.84 ng	1300720	1,4-Dichlorobenzene-d4	6.857

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propylene Glycol	76	C3H8O2	000057-55-6	86
2	(S)-(+)-1,2-Propanediol	76	C3H8O2	004254-15-3	64
3	Propanoic acid, 2-hydroxy-, meth...	104	C4H8O3	000547-64-8	40
4	Isopropyl Alcohol	60	C3H8O	000067-63-0	9
5	R-(-)-1,2-propanediol	76	C3H8O2	004254-14-2	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102721\
Data File : BF125974.D
Acq On : 27 Oct 2021 20:53
Operator : JU/CG
Sample : M4348-10
Misc :
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Instrument : BNA_F
ClientSampleId : 370

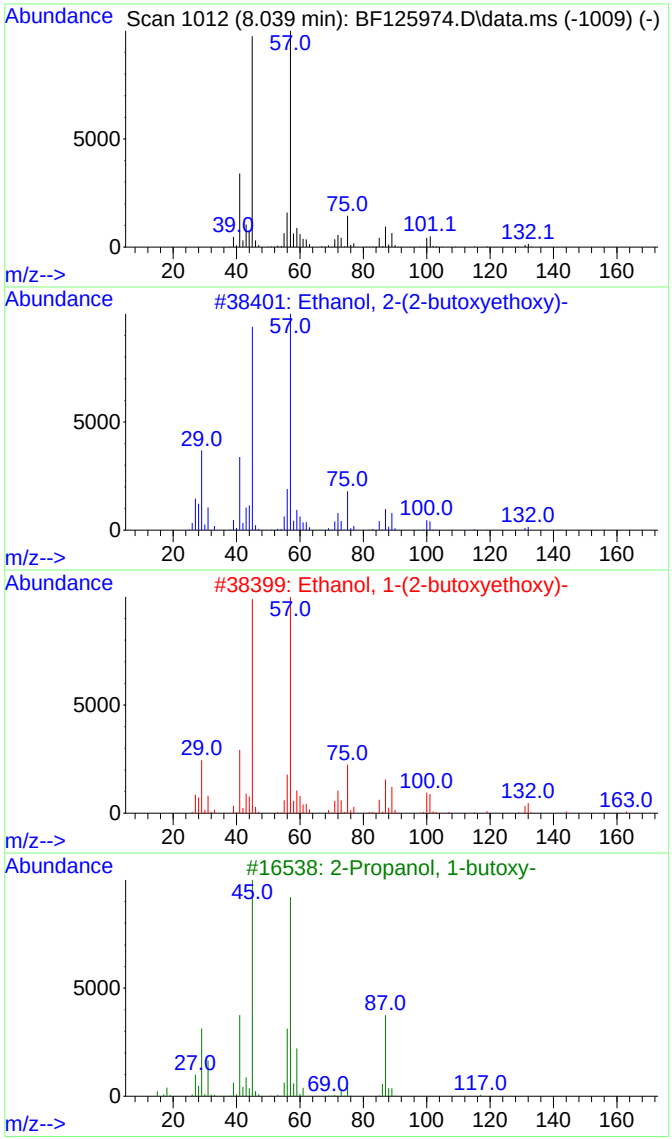
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

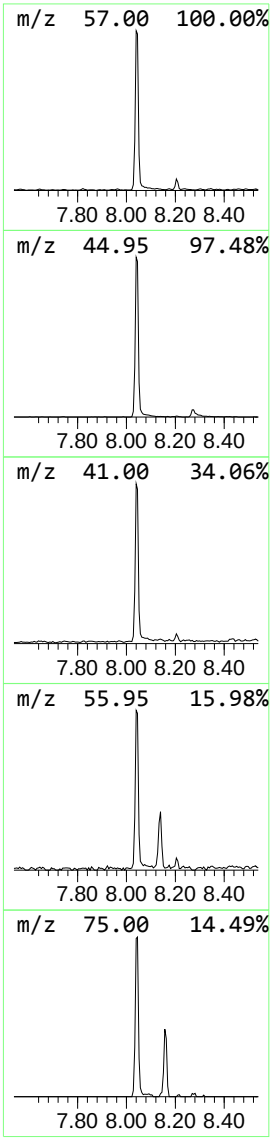
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Ethanol, 2-(2-butoxyethoxy)- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.039	10.59 ng	838402	Naphthalene-d8	8.139

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(2-butoxyethoxy)-	162	C8H18O3	000112-34-5	90
2	Ethanol, 1-(2-butoxyethoxy)-	162	C8H18O3	054446-78-5	78
3	2-Propanol, 1-butoxy-	132	C7H16O2	005131-66-8	59
4	Ethylene glycol monoisobutyl ether	118	C6H14O2	004439-24-1	59
5	Di-sec-Butyl ether	130	C8H18O	006863-58-7	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102721\
Data File : BF125974.D
Acq On : 27 Oct 2021 20:53
Operator : JU/CG
Sample : M4348-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 370

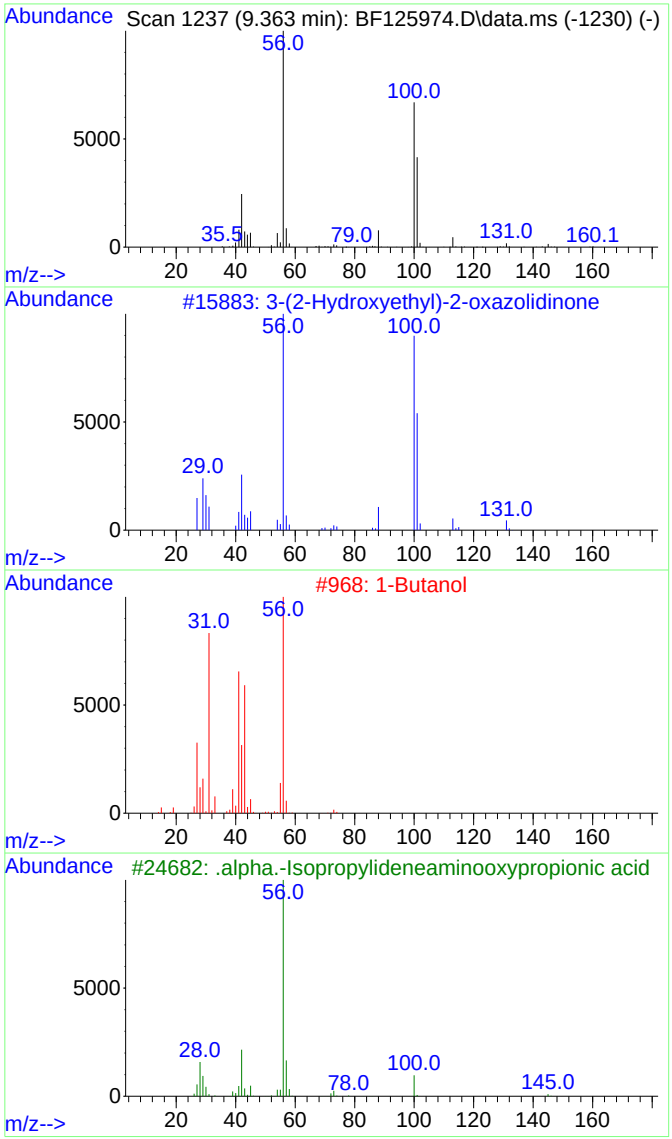
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

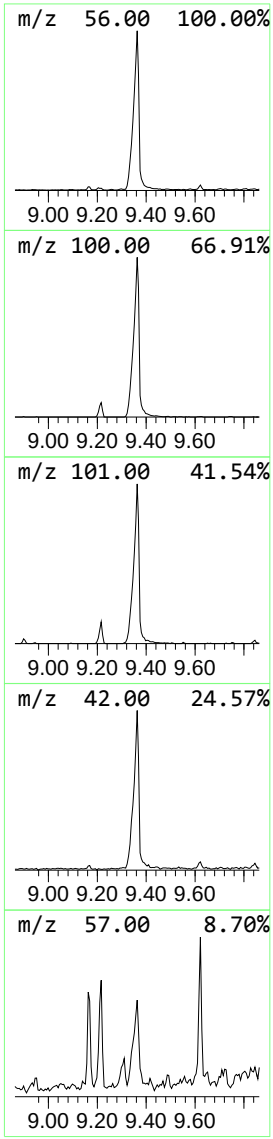
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 3-(2-Hydroxyethyl)-2-oxazol... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.363	14.21 ng	1301040	Acenaphthene-d10	9.892

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-(2-Hydroxyethyl)-2-oxazolidinone	131	C5H9NO3	003356-88-5	56
2	1-Butanol	74	C4H10O	000071-36-3	38
3	.alpha.-Isopropylideneaminooxypr...	145	C6H11NO3	005001-36-5	25
4	Hexyl chloroformate	164	C7H13ClO2	006092-54-2	23
5	4-Morpholineethanol	131	C6H13NO2	000622-40-2	12





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102721\
Data File : BF125974.D
Acq On : 27 Oct 2021 20:53
Operator : JU/CG
Sample : M4348-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 370

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

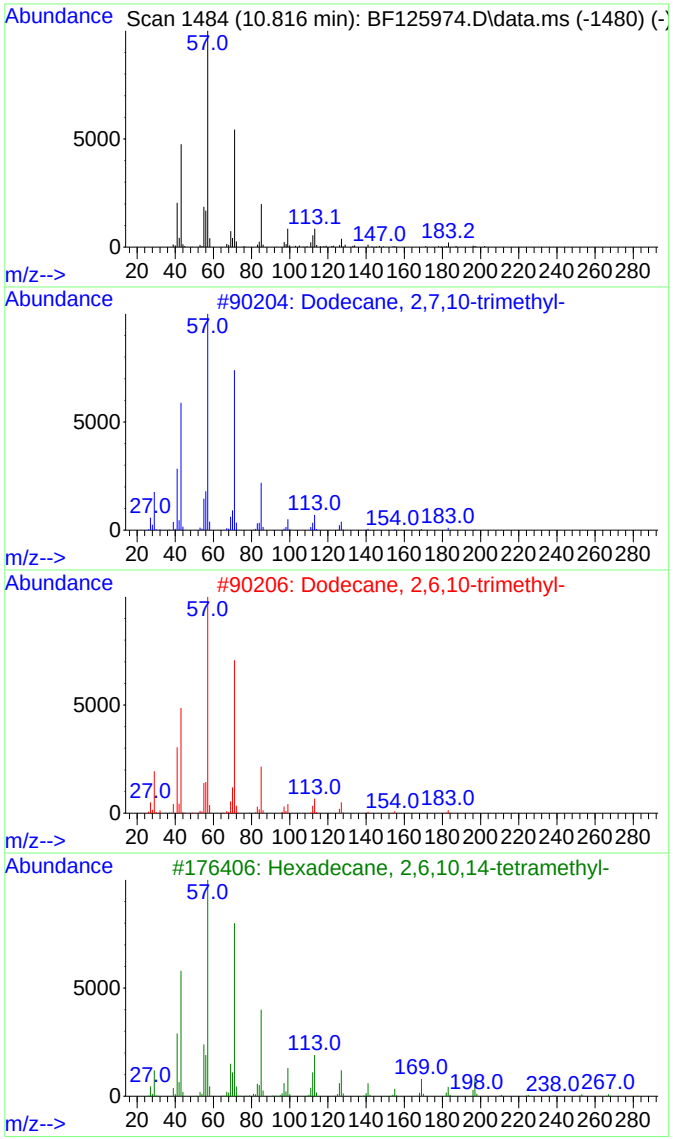
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

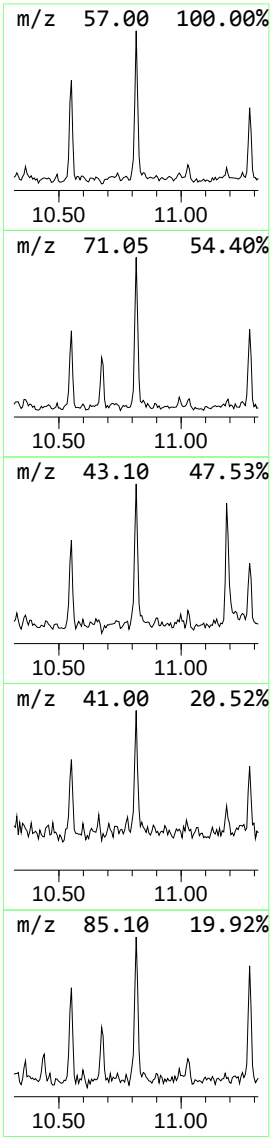
****

Peak Number 5 Dodecane, 2,7,10-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.816	4.05 ng	310380	Phenanthrene-d10	11.374

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	90
2	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	83
3	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	72
4	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	64
5	Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	53





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Data File : BF125974.D
Acq On : 27 Oct 2021 20:53
Operator : JU/CG
Sample : M4348-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 370

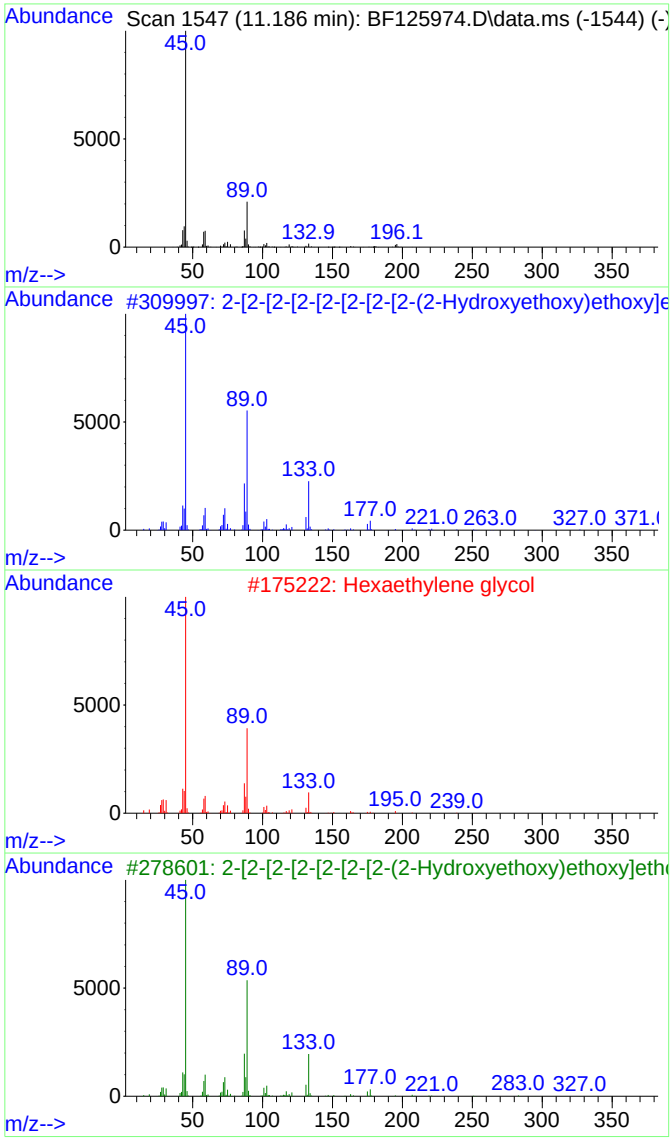
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

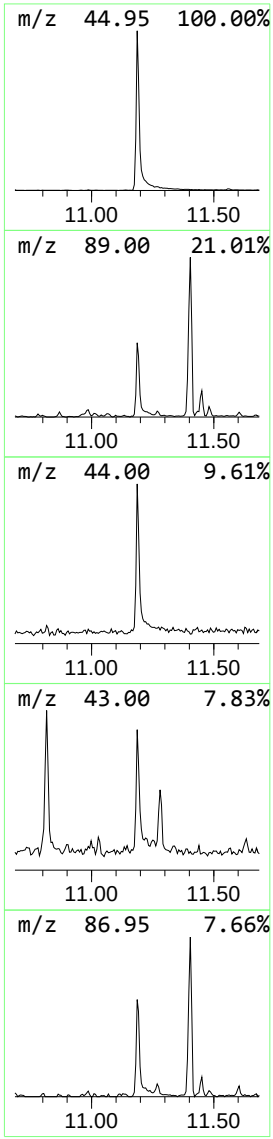
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 2-[2-[2-[2-[2-[2-[2-[2-(2-H... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.186	8.89 ng	680984	Phenanthrene-d10	11.374

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-[2-[2-[2-[2-[2-[2-[2-(2-Hydrox...	414	C18H38O10	003386-18-3	83
2	Hexaethylene glycol	282	C12H26O7	002615-15-8	83
3	2-[2-[2-[2-[2-[2-[2-(2-Hydroxyet...	370	C16H34O9	005117-19-1	83
4	Triethylene glycol	150	C6H14O4	000112-27-6	74
5	Heptaethylene glycol	326	C14H30O8	005617-32-3	74





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Operator : JU/CG
Sample : M4348-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 370

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.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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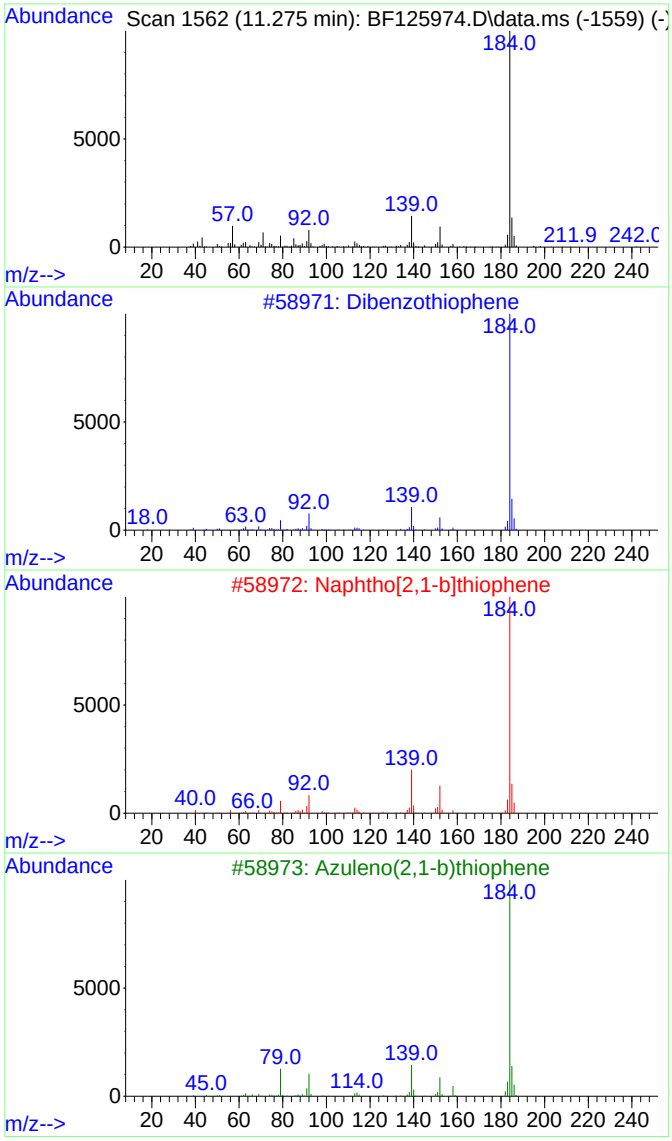
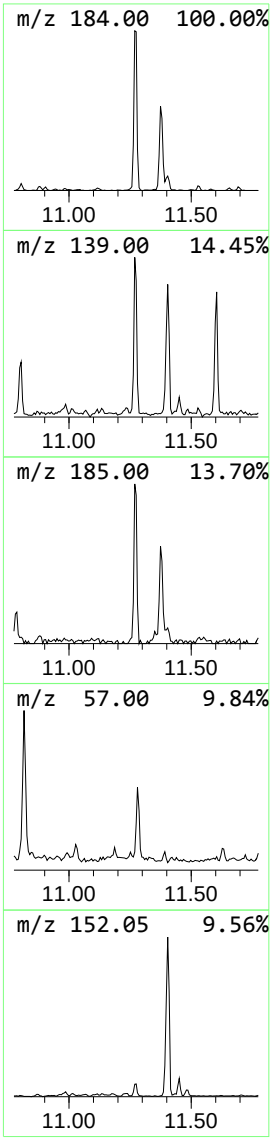
Peak Number 7 Dibenzothiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.275	6.98 ng	534581	Phenanthrene-d10	11.374

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	81
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	64





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Operator : JU/CG
Sample : M4348-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 370

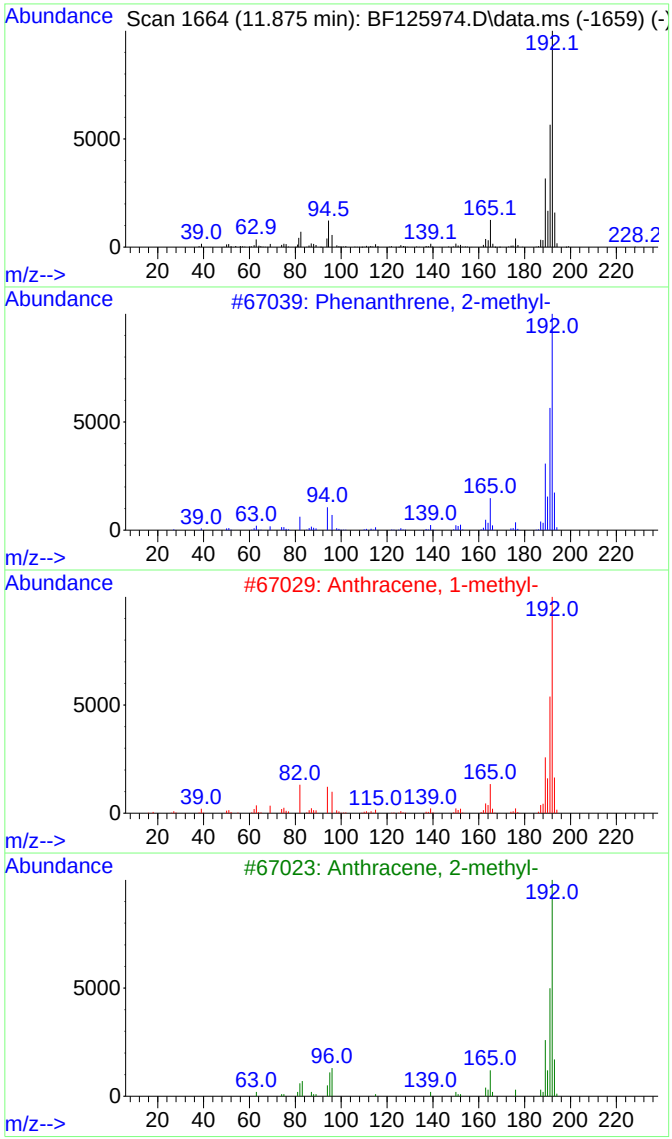
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

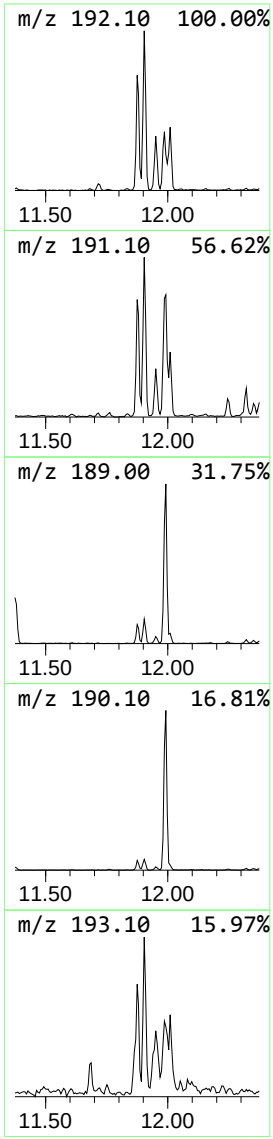
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.874	5.40 ng	413414	Phenanthrene-d10	11.374

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	91
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91





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Acq On : 27 Oct 2021 20:53
Operator : JU/CG
Sample : M4348-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 370

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.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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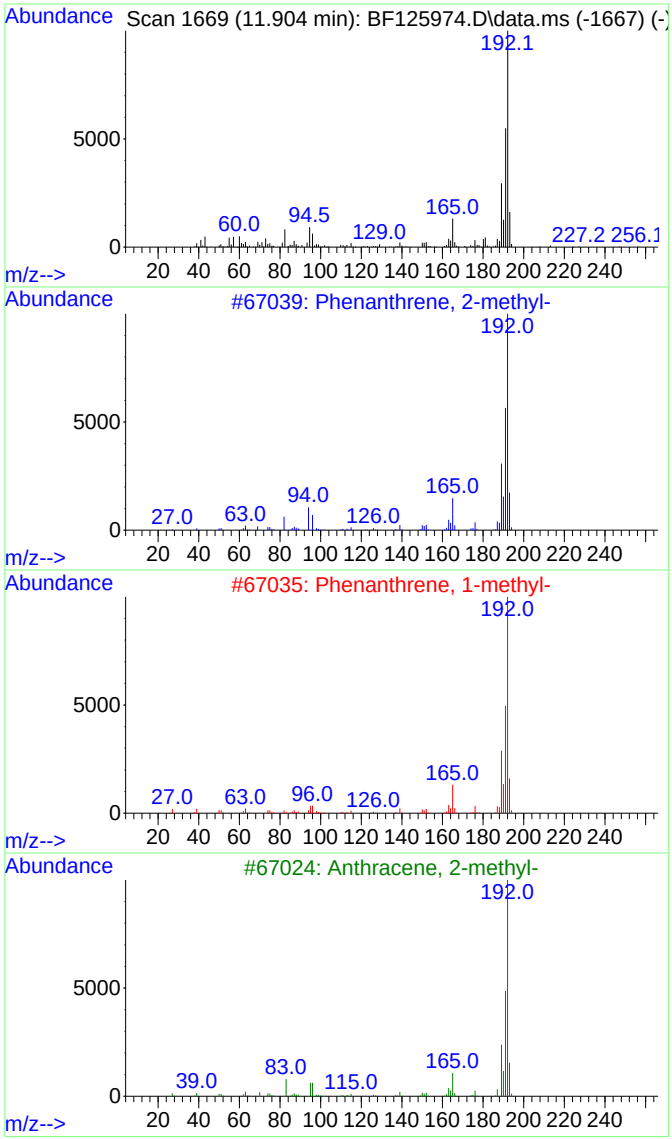
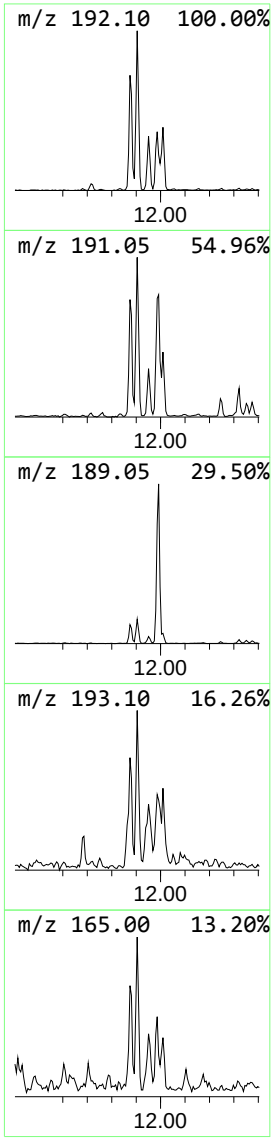
Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.904	7.06 ng	540653	Phenanthrene-d10	11.374

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95





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Acq On : 27 Oct 2021 20:53
Operator : JU/CG
Sample : M4348-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 370

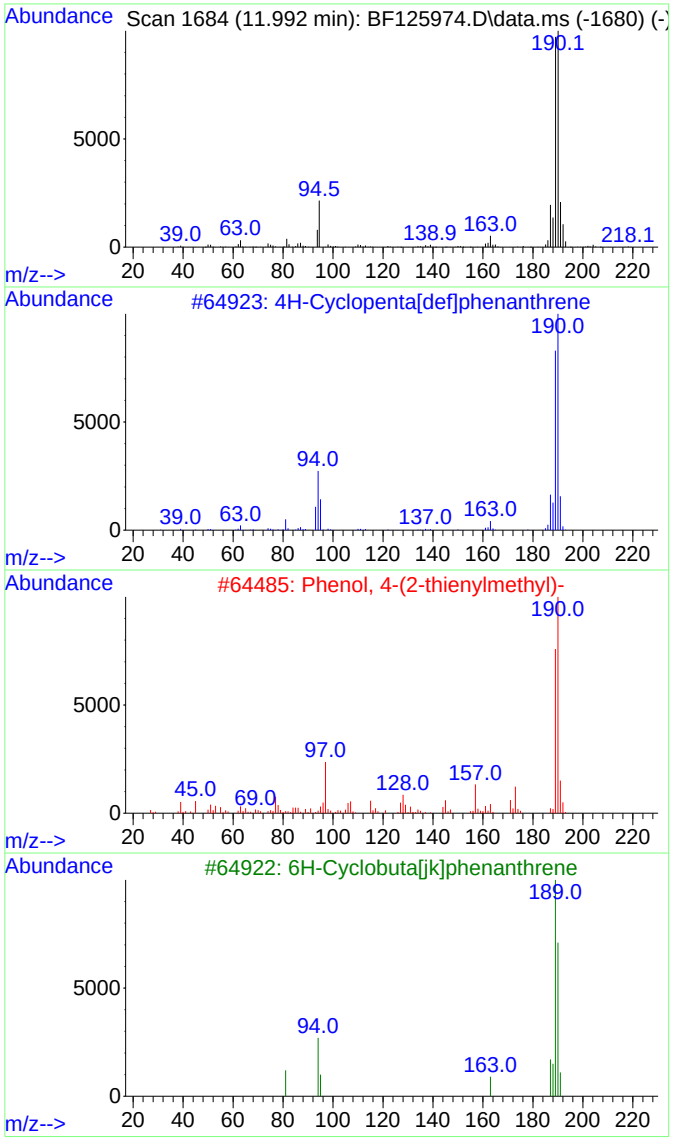
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

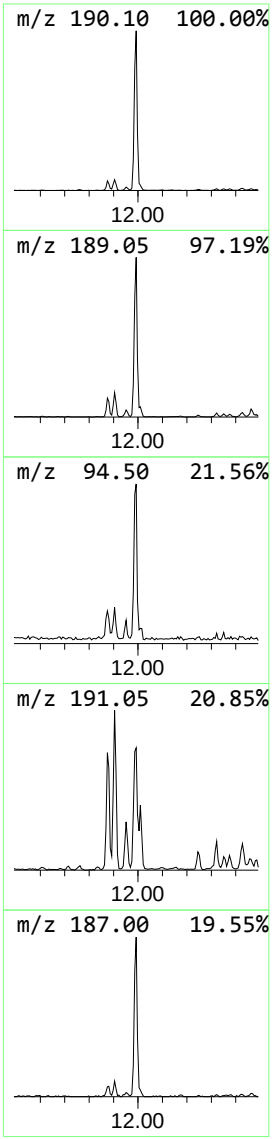
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.992	15.71 ng	1203930	Phenanthrene-d10	11.374

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	97
2	Phenol, 4-(2-thienylmethyl)-	190	C11H10OS	091680-55-6	64
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	56
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45





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Acq On : 27 Oct 2021 20:53
Operator : JU/CG
Sample : M4348-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 370

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.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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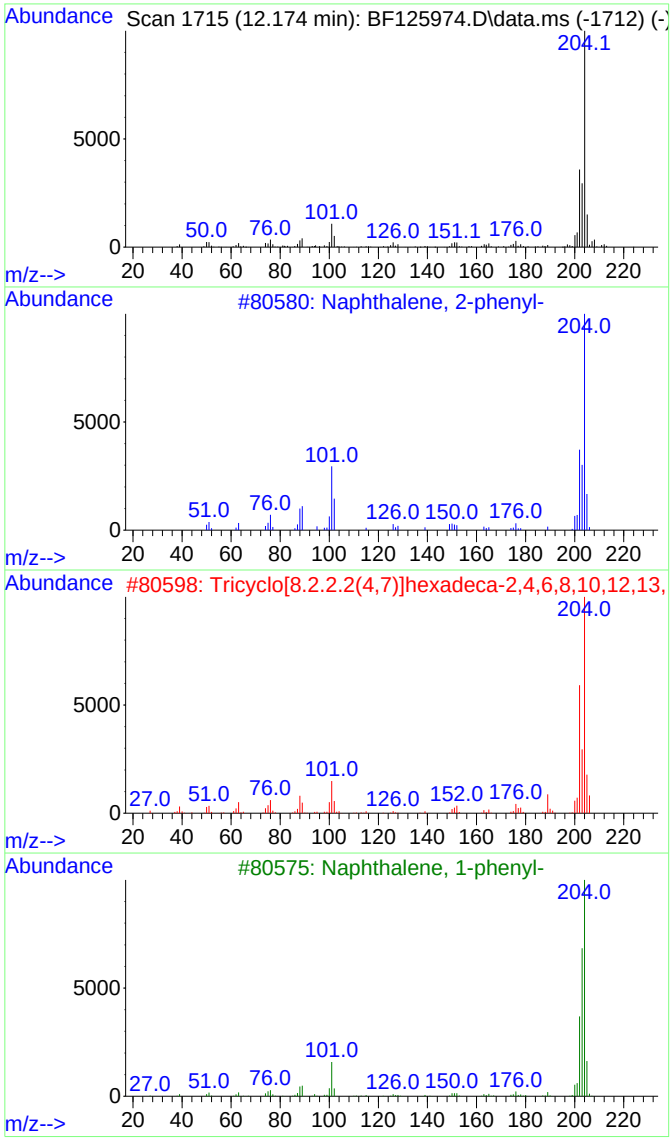
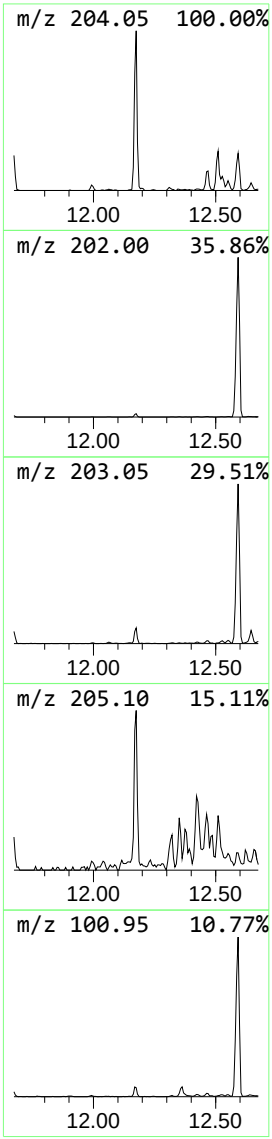
Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.175	4.75 ng	364329	Phenanthrene-d10	11.374

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	62
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	53
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	52





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Acq On : 27 Oct 2021 20:53
Operator : JU/CG
Sample : M4348-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 370

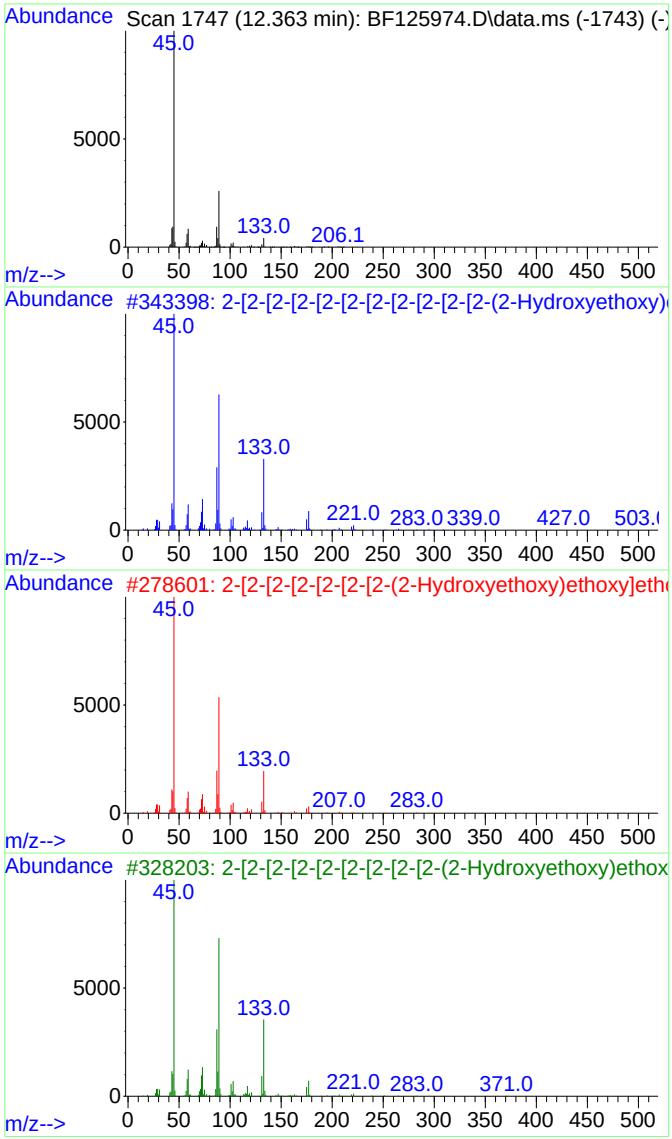
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

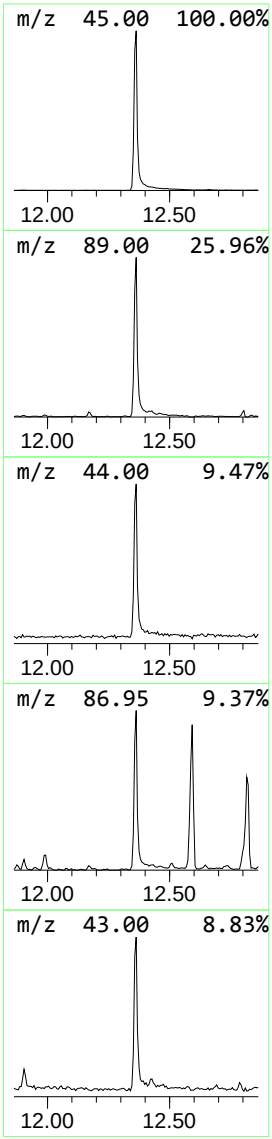
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 2-[2-[2-[2-[2-[2-[2-[2-[2-[... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.363	24.86 ng	1904970	Phenanthrene-d10	11.374

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-...	546	C24H50O13	1000352-12-7	83
2	2-[2-[2-[2-[2-[2-[2-(2-Hydroxyet...	370	C16H34O9	005117-19-1	83
3	2-[2-[2-[2-[2-[2-[2-[2-[2-(2-Hyd...	458	C20H42O11	005579-66-8	83
4	Triethylene glycol	150	C6H14O4	000112-27-6	78
5	Acetaldehyde, tetramer	176	C8H16O4	000108-62-3	72





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Acq On : 27 Oct 2021 20:53
Operator : JU/CG
Sample : M4348-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 370

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.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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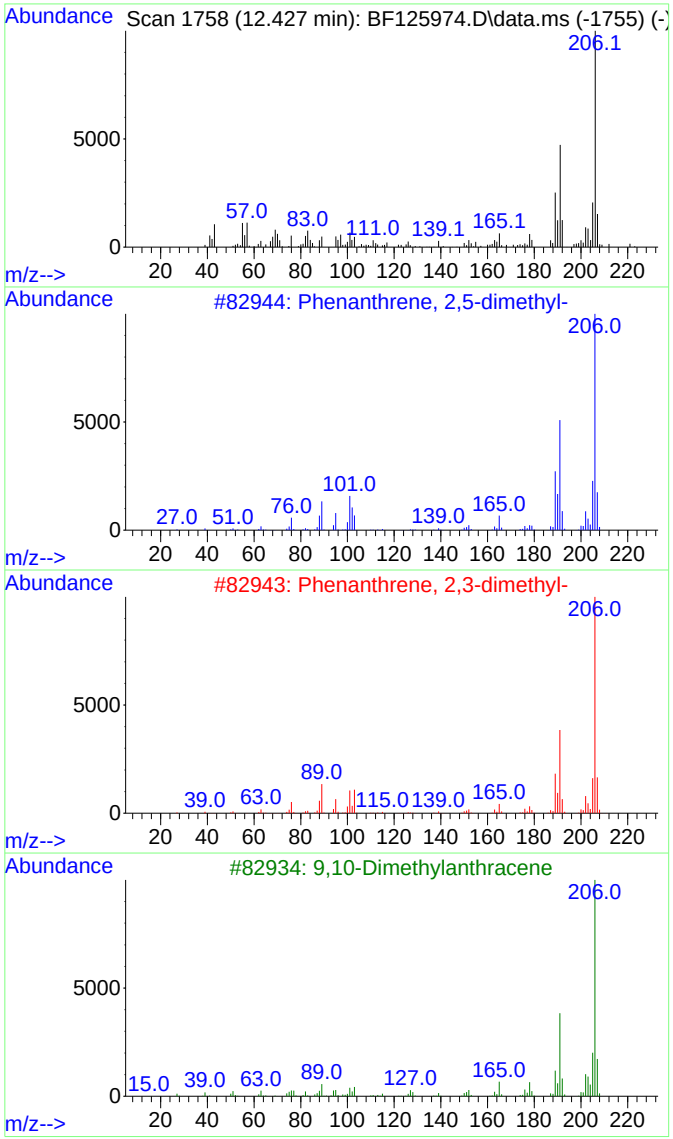
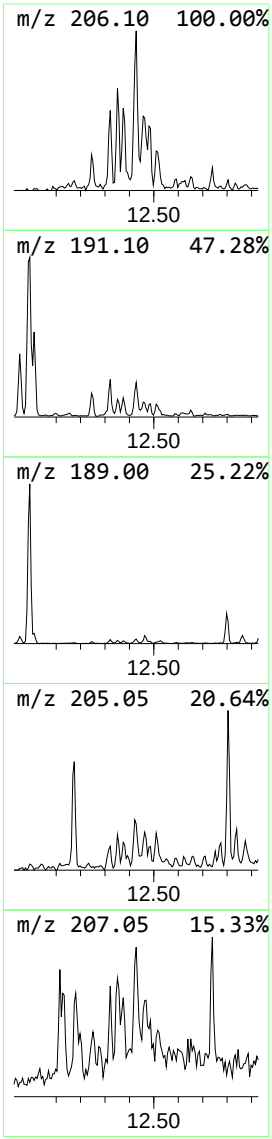
Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.427	3.30 ng	253252	Phenanthrene-d10	11.374

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86
5	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	81





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Acq On : 27 Oct 2021 20:53
Operator : JU/CG
Sample : M4348-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 370

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.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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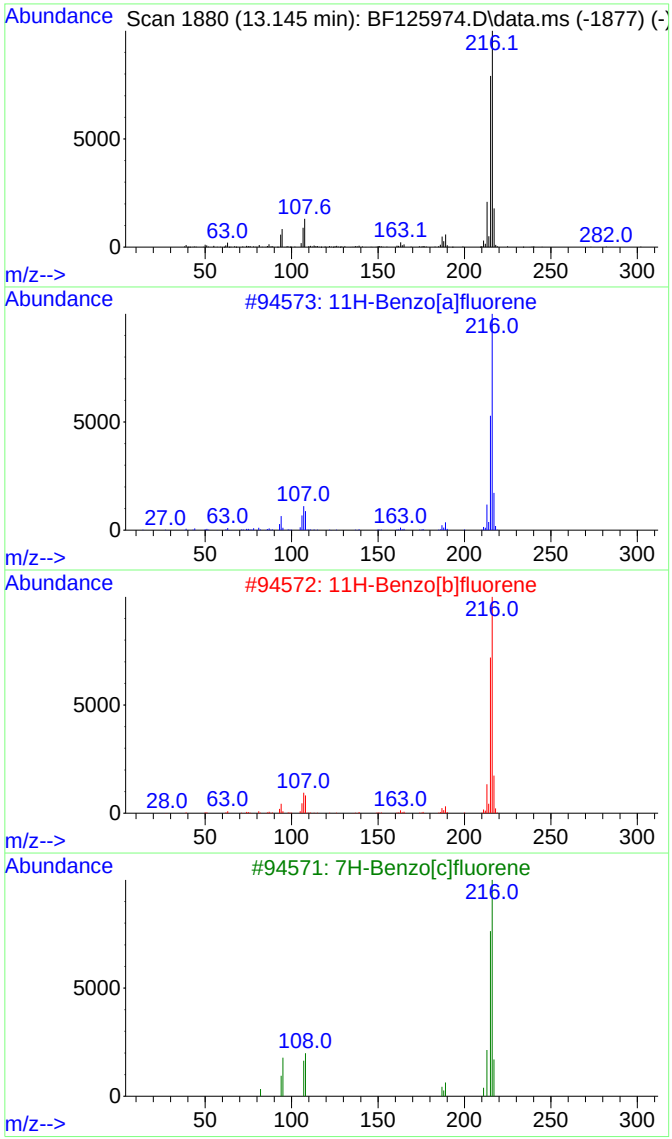
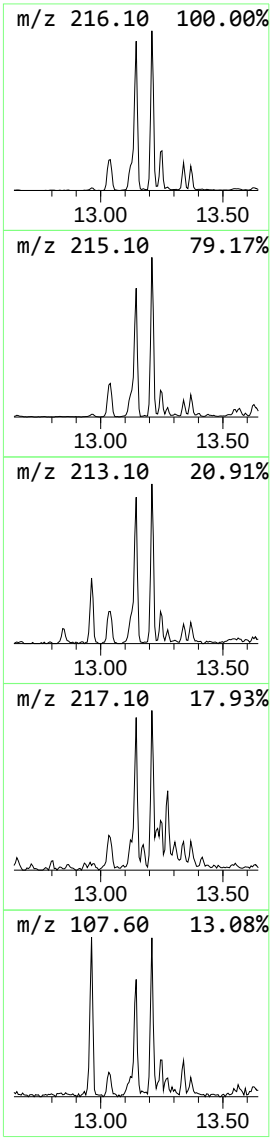
Peak Number 14 11H-Benzo[a]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.145	4.71 ng	623497	Chrysene-d12	14.015

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
3	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86





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Operator : JU/CG
Sample : M4348-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 370

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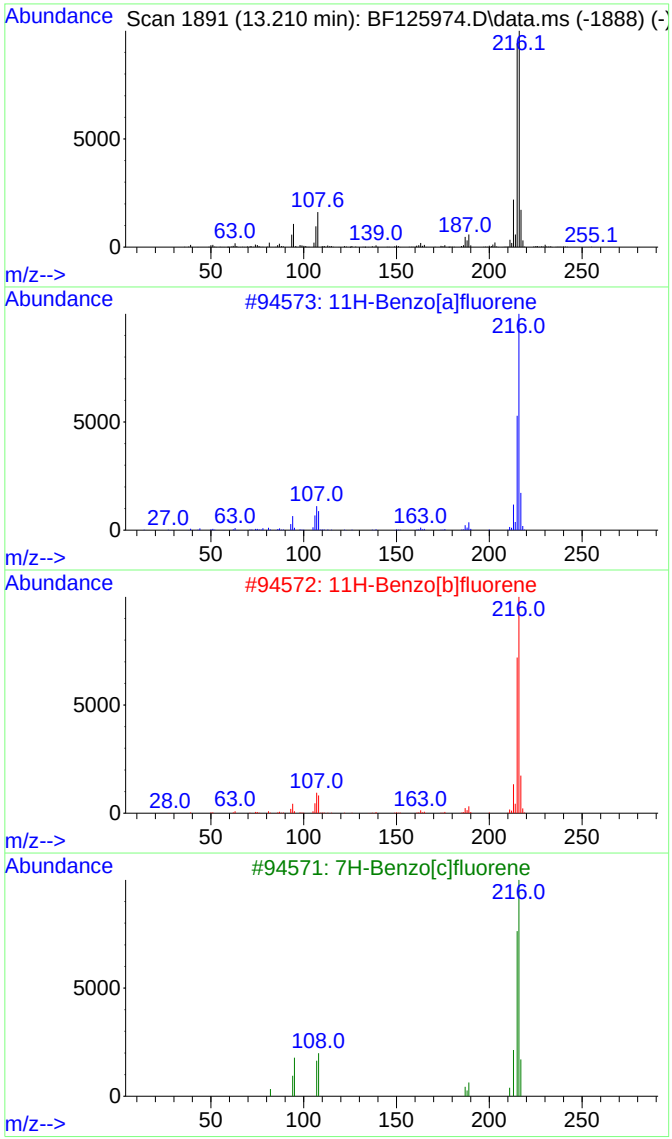
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

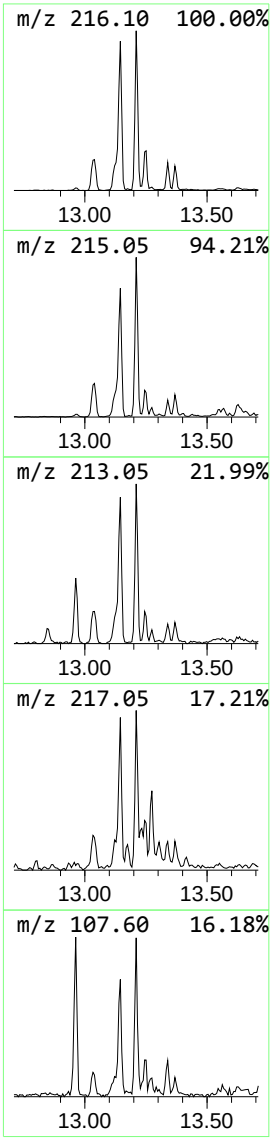
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.210	5.10 ng	674467	Chrysene-d12	14.015

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	74





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Acq On : 27 Oct 2021 20:53
Operator : JU/CG
Sample : M4348-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 370

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.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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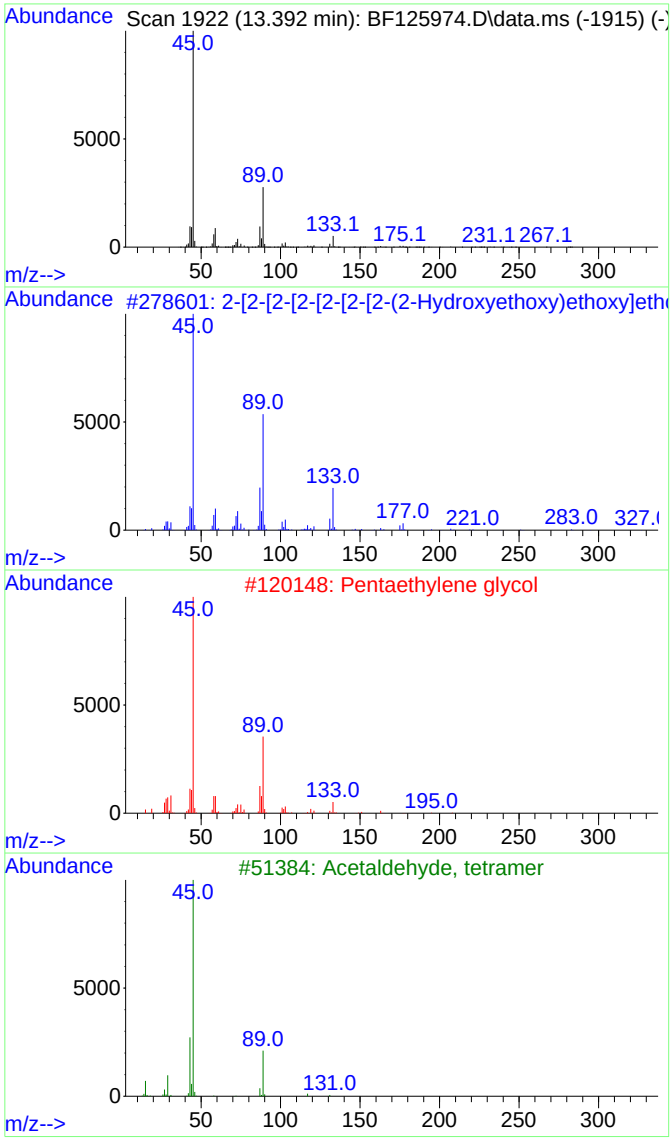
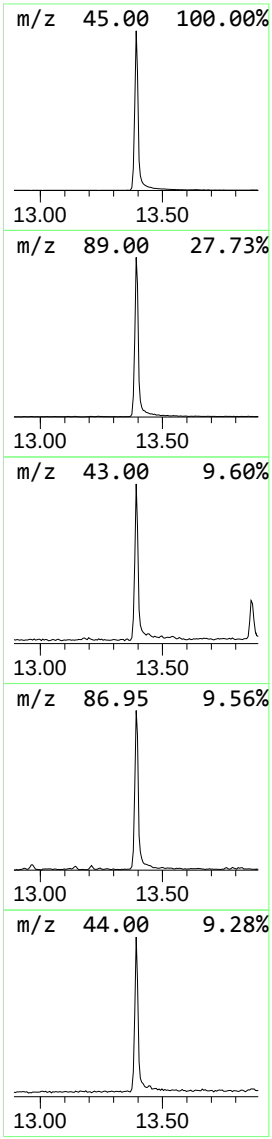
Peak Number 16 2-[2-[2-[2-[2-[2-[2-(2-Hydr... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.392	25.61 ng	3387530	Chrysene-d12	14.015

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-[2-[2-[2-[2-[2-[2-(2-Hydroxyet...	370	C16H34O9	005117-19-1	83
2	Pentaethylene glycol	238	C10H22O6	004792-15-8	83
3	Acetaldehyde, tetramer	176	C8H16O4	000108-62-3	72
4	Tetraethylene glycol	194	C8H18O5	000112-60-7	72
5	Triethylene glycol	150	C6H14O4	000112-27-6	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102721\
Data File : BF125974.D
Acq On : 27 Oct 2021 20:53
Operator : JU/CG
Sample : M4348-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 370

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.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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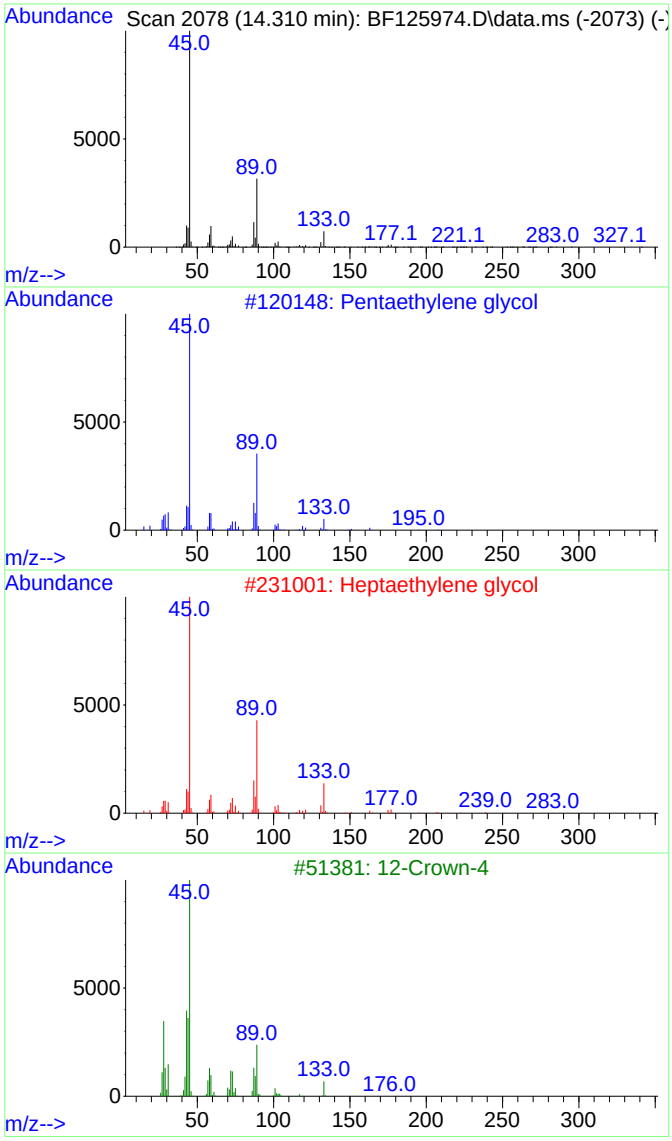
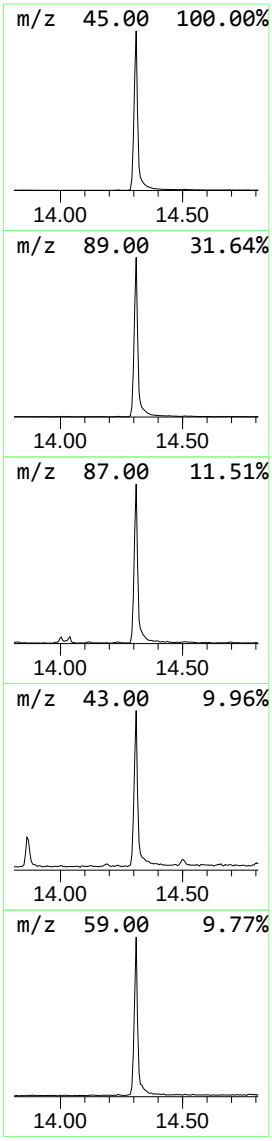
Peak Number 17 Pentaethylene glycol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.310	35.94 ng	4753900	Chrysene-d12	14.015

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentaethylene glycol	238	C10H22O6	004792-15-8	83
2	Heptaethylene glycol	326	C14H30O8	005617-32-3	70
3	12-Crown-4	176	C8H16O4	000294-93-9	59
4	2,5,8,11,14-Pentaoxahexadecan-16-ol	252	C11H24O6	023778-52-1	56
5	Ethanol, 2-[2-(2-methylpropoxy)e...	162	C8H18O3	018912-80-6	56





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102721\
Data File : BF125974.D
Acq On : 27 Oct 2021 20:53
Operator : JU/CG
Sample : M4348-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 370

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.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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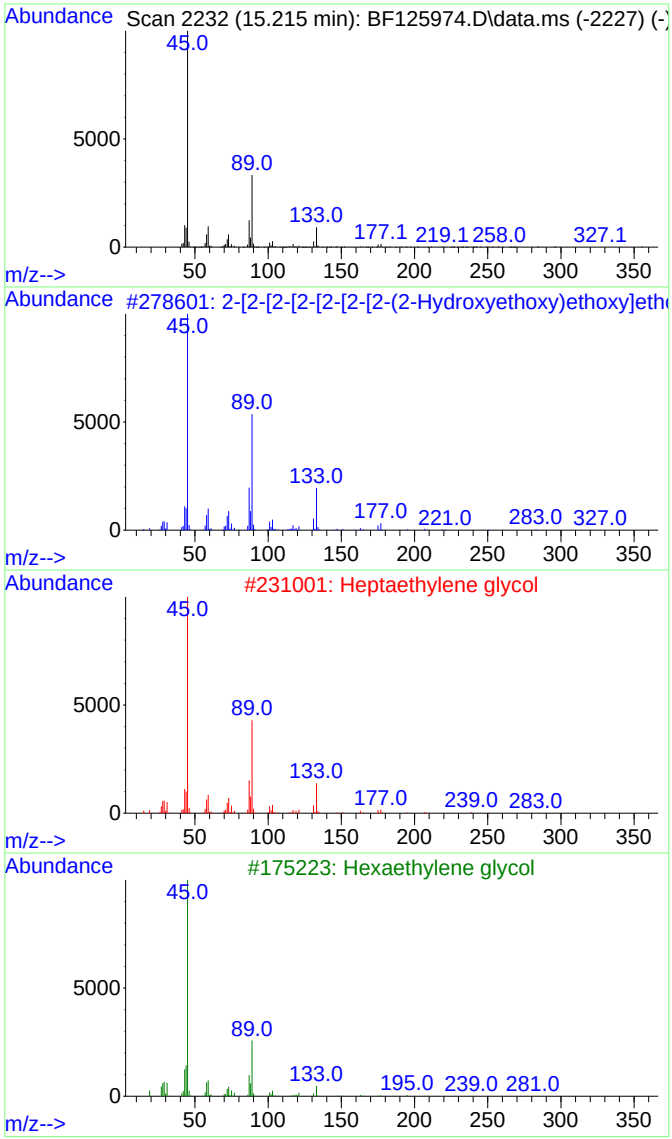
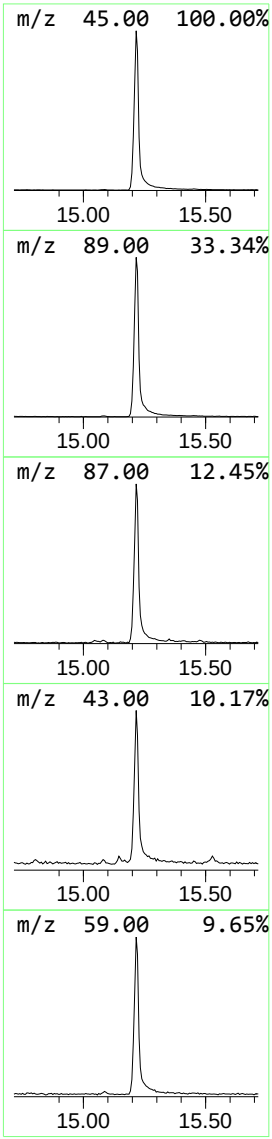
Peak Number 18 Heptaethylene glycol Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.216	70.09 ng	4195380	Perylene-d12	15.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-[2-[2-[2-[2-[2-[2-(2-Hydroxyet...	370	C16H34O9	005117-19-1	91
2	Heptaethylene glycol	326	C14H30O8	005617-32-3	90
3	Hexaethylene glycol	282	C12H26O7	002615-15-8	90
4	2-[2-[2-[2-[2-[2-[2-[2-(2-Hydrox...	414	C18H38O10	003386-18-3	70
5	Tetraethylene glycol	194	C8H18O5	000112-60-7	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102721\
Data File : BF125974.D
Acq On : 27 Oct 2021 20:53
Operator : JU/CG
Sample : M4348-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 370

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.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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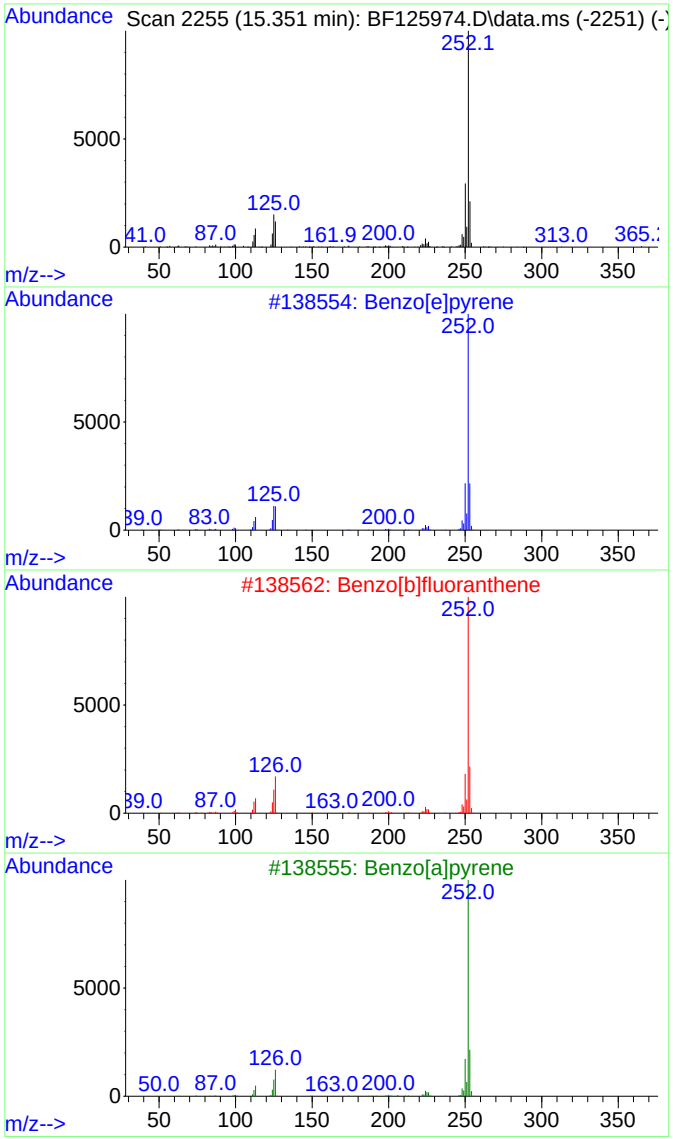
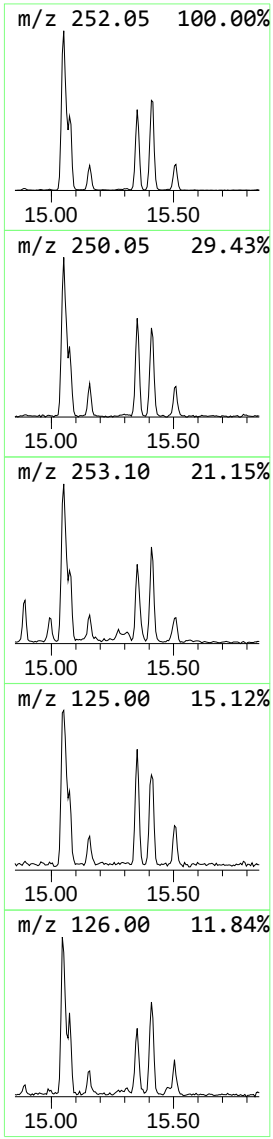
Peak Number 19 Benzo[e]pyrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.351	8.23 ng	492741	Perylene-d12	15.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	96
3	Benzo[a]pyrene	252	C20H12	000050-32-8	95
4	Perylene	252	C20H12	000198-55-0	95
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102721\
Data File : BF125974.D
Acq On : 27 Oct 2021 20:53
Operator : JU/CG
Sample : M4348-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 370

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.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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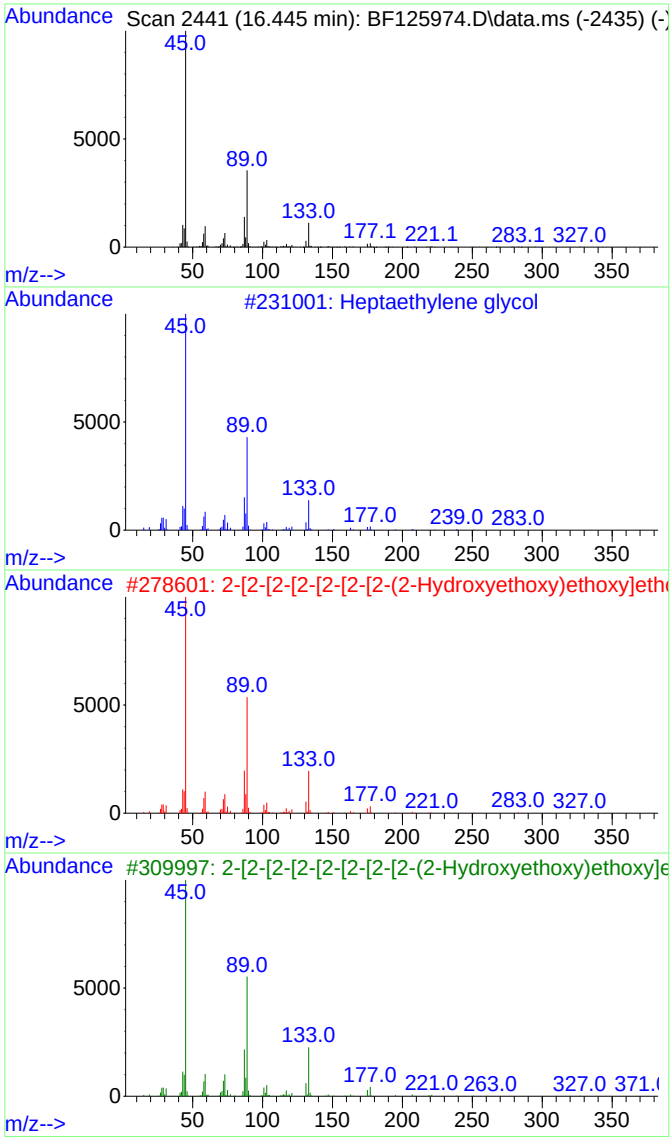
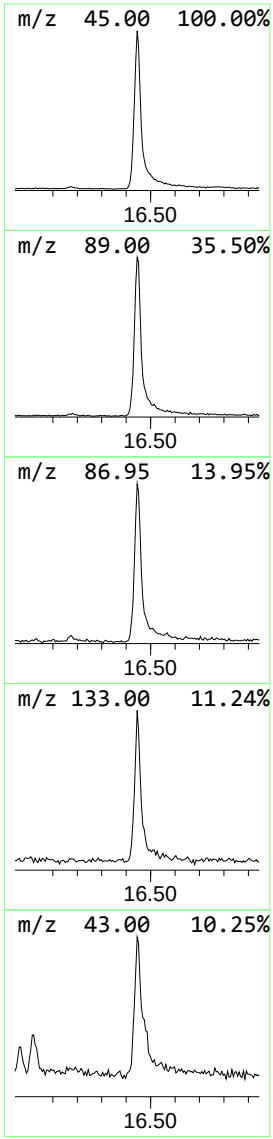
Peak Number 20 Hexaethylene glycol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.445	27.93 ng	1672090	Perylene-d12	15.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptaethylene glycol	326	C14H30O8	005617-32-3	91
2	2-[2-[2-[2-[2-[2-[2-(2-Hydroxyet...	370	C16H34O9	005117-19-1	91
3	2-[2-[2-[2-[2-[2-[2-[2-(2-Hydrox...	414	C18H38O10	003386-18-3	91
4	Hexaethylene glycol	282	C12H26O7	002615-15-8	90
5	2,5,8,11,14-Pentaoxahexadecan-16-ol	252	C11H24O6	023778-52-1	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102721\
Data File : BF125974.D
Acq On : 27 Oct 2021 20:53
Operator : JU/CG
Sample : M4348-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 370

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.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...	2.146	58.9	ng	3508860	1	6.857	1191030	20.0
Propylene Glycol	3.375	21.8	ng	1300720	1	6.857	1191030	20.0
Ethanol, 2-(2-b...	8.039	10.6	ng	838402	2	8.139	1583290	20.0
3-(2-Hydroxyeth...	9.363	14.2	ng	1301040	3	9.892	1830570	20.0
Dodecane, 2,7,1...	10.816	4.0	ng	310380	4	11.374	1532570	20.0
2-[2-[2-[2-[2-[...	11.186	8.9	ng	680984	4	11.374	1532570	20.0
Dibenzothiophene	11.275	7.0	ng	534581	4	11.374	1532570	20.0
Phenanthrene, 2...	11.874	5.4	ng	413414	4	11.374	1532570	20.0
Phenanthrene, 1...	11.904	7.1	ng	540653	4	11.374	1532570	20.0
4H-Cyclopenta[d...	11.992	15.7	ng	1203930	4	11.374	1532570	20.0
Naphthalene, 2-...	12.175	4.8	ng	364329	4	11.374	1532570	20.0
2-[2-[2-[2-[2-[...	12.363	24.9	ng	1904970	4	11.374	1532570	20.0
Phenanthrene, 2...	12.427	3.3	ng	253252	4	11.374	1532570	20.0
11H-Benzo[a]flu...	13.145	4.7	ng	623497	5	14.015	2645280	20.0
11H-Benzo[b]flu...	13.210	5.1	ng	674467	5	14.015	2645280	20.0
2-[2-[2-[2-[2-[...	13.392	25.6	ng	3387530	5	14.015	2645280	20.0
Pentaethylene g...	14.310	35.9	ng	4753900	5	14.015	2645280	20.0
Heptaethylene g...	15.216	70.1	ng	4195380	6	15.480	1197130	20.0
Benzo[e]pyrene	15.351	8.2	ng	492741	6	15.480	1197130	20.0
Hexaethylene gl...	16.445	27.9	ng	1672090	6	15.480	1197130	20.0