LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF050219\
Data File : BF114091.D
Acq On : 2 May 2019 18:17
Operator : JU/SJ
Sample : K2650-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GROUND-WATER

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-BF042219.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.487	575	578	580	rVV	326438	370889	1.31%	0.305%
2	5.516	580	583	599	rVB	829168	1029333	3.62%	0.846%
3	5.687	608	612	615	rBV	571319	475408	1.67%	0.391%
4	5.845	635	639	642	rBV	579272	548868	1.93%	0.451%
5	6.534	751	756	761	rBV	375148	552829	1.95%	0.454%
6	6.663	774	778	784	rBV	1756278	1767981	6.22%	1.453%
7	6.886	813	816	820	rBV	582301	467651	1.65%	0.384%
8	7.045	839	843	846	rBV	2247551	1854046	6.53%	1.524%
9	7.445	902	911	916	rBV	1452325	1489279	5.24%	1.224%
10	7.716	949	957	960	rBV	4138620	4756793	16.75%	3.910%
11	8.169	1030	1034	1045	rVB	745127	630557	2.22%	0.518%
12	9.080	1185	1189	1192	rBV	2603832	2535655	8.93%	2.084%
13	9.122	1192	1196	1202	rVB	575051	623514	2.20%	0.512%
14	9.245	1211	1217	1220	rBV2	3519187	3683596	12.97%	3.028%
15	9.327	1228	1231	1234	rBV2	622276	525761	1.85%	0.432%
16	9.927	1319	1333	1336	rBV2	8480193	28405924	100.00%	23.347%
17	10.069	1355	1357	1360	rVB	455049	377513	1.33%	0.310%
18	10.122	1363	1366	1369	rVB	491419	361026	1.27%	0.297%
19	10.227	1379	1384	1389	rBV	557705	583021	2.05%	0.479%
20	10.380	1406	1410	1413	rVV4	309525	528743	1.86%	0.435%
21	10.410	1413	1415	1418	rVV	809854	654333	2.30%	0.538%
22	10.527	1431	1435	1436	rBV	687301	604281	2.13%	0.497%
23	10.545	1436	1438	1442	rVB	1169322	876484	3.09%	0.720%
24	10.598	1442	1447	1451	rBV2	1196809	1091537	3.84%	0.897%
25	10.716	1462	1467	1474	rBV2	2270619	2822251	9.94%	2.320%
26	10.827	1483	1486	1489	rVV2	657925	776578	2.73%	0.638%
27	10.857	1489	1491	1494	rVV2	421300	439694	1.55%	0.361%
28	10.892	1494	1497	1508	rVB	1735539	1892177	6.66%	1.555%
29	10.980	1508	1512	1513	rBV	903522	695053	2.45%	0.571%
30	11.004	1513	1516	1521	rVV2	1109951	1072059	3.77%	0.881%
31	11.069	1523	1527	1533	rVB2	1048457	1011618	3.56%	0.831%
32	11.180	1542	1546	1548	rBV	895833	834328	2.94%	0.686%
33	11.357	1572	1576	1579	rBV	1435843	1203073	4.24%	0.989%
34	11.410	1582	1585	1588	rBV	1092693	897814	3.16%	0.738%

LSC Area Percent Report

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Operator : JU/SJ
Sample : K2650-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GROUND-WATER

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
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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.657	1624	1627	1630	rVV	585131	441542	1.55%	0.363%
36	11.916	1668	1671	1674	rVV2	533536	622560	2.19%	0.512%
37	11.945	1674	1676	1680	rVV	465651	390064	1.37%	0.321%
38	11.998	1680	1685	1690	rVB	425907	450864	1.59%	0.371%
39	12.098	1699	1702	1707	rBV	514745	472277	1.66%	0.388%
40	12.186	1714	1717	1721	rBV	434747	416829	1.47%	0.343%
41	12.586	1783	1785	1791	rVB	351617	382003	1.34%	0.314%
42	12.739	1809	1811	1820	rVB	362988	383058	1.35%	0.315%
43	12.827	1820	1826	1831	rBV	351615	365620	1.29%	0.301%
44	12.921	1837	1842	1844	rBV	816881	926351	3.26%	0.761%
45	12.951	1844	1847	1850	rVV	616662	662748	2.33%	0.545%
46	12.992	1850	1854	1864	rVB2	1597832	1909276	6.72%	1.569%
47	13.098	1869	1872	1881	rBV	605600	672550	2.37%	0.553%
48	13.186	1884	1887	1891	rBV	568369	573979	2.02%	0.472%
49	13.251	1895	1898	1903	rVV2	300491	527366	1.86%	0.433%
50	13.515	1940	1943	1945	rBV	411571	456311	1.61%	0.375%
51	13.539	1945	1947	1950	rVV	605615	604981	2.13%	0.497%
52	13.586	1953	1955	1959	rVB	411472	365610	1.29%	0.300%
53	13.680	1969	1971	1976	rVB	474445	462433	1.63%	0.380%
54	13.762	1982	1985	1992	rBV	447934	489358	1.72%	0.402%
55	13.827	1992	1996	1999	rVV	994237	1280164	4.51%	1.052%
56	13.857	1999	2001	2005	rVV	850511	906490	3.19%	0.745%
57	13.910	2005	2010	2015	rVB2	862979	1028594	3.62%	0.845%
58	14.004	2023	2026	2031	rBV	814051	908412	3.20%	0.747%
59	14.051	2031	2034	2037	rVV	601477	529006	1.86%	0.435%
60	14.092	2037	2041	2044	rVV	812346	857354	3.02%	0.705%
61	14.139	2044	2049	2052	rVV2	439241	836228	2.94%	0.687%
62	14.174	2052	2055	2059	rVV	361533	485814	1.71%	0.399%
63	14.221	2059	2063	2069	rVV2	355896	668585	2.35%	0.550%
64	14.321	2077	2080	2086	rBV	337593	396627	1.40%	0.326%
65	14.380	2086	2090	2092	rBV	713651	791942	2.79%	0.651%
66	14.404	2092	2094	2099	rVV	941100	1100534	3.87%	0.905%
67	14.451	2099	2102	2108	rVV	709790	792686	2.79%	0.652%
68	14.545	2116	2118	2128	rVV	672033	709275	2.50%	0.583%
69	14.627	2128	2132	2135	rVV	549360	635274	2.24%	0.522%
70	14.668	2135	2139	2142	rVV	1361864	1880641	6.62%	1.546%
71	14.698	2142	2144	2150	rVV	1194011	1437071	5.06%	1.181%

LSC Area Percent Report

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Operator : JU/SJ
Sample : K2650-01
Misc :
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Instrument : BNA_F
ClientSampleId : GROUND-WATER

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
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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.751	2150	2153	2160	rVV	1057102	1285025	4.52%	1.056%
73	14.857	2168	2171	2177	rVB	918260	1142246	4.02%	0.939%
74	14.945	2183	2186	2196	rBV2	826929	2042825	7.19%	1.679%
75	15.015	2196	2198	2203	rVV	368855	470686	1.66%	0.387%
76	15.080	2206	2209	2214	rVB	322115	383252	1.35%	0.315%
77	15.198	2227	2229	2235	rVB	291375	370221	1.30%	0.304%
78	15.262	2235	2240	2242	rBV	659722	973081	3.43%	0.800%
79	15.286	2242	2244	2251	rVV	663284	1208783	4.26%	0.993%
80	15.351	2251	2255	2264	rVB	559390	832717	2.93%	0.684%
81	15.474	2272	2276	2283	rVB	472709	727720	2.56%	0.598%
82	15.545	2283	2288	2292	rVV2	432950	772655	2.72%	0.635%
83	15.586	2292	2295	2298	rVV	421629	686078	2.42%	0.564%
84	15.633	2298	2303	2307	rVV	1003221	2016209	7.10%	1.657%
85	15.674	2307	2310	2318	rVV	838939	1348779	4.75%	1.109%
86	15.751	2318	2323	2334	rVB	690664	1235292	4.35%	1.015%
87	15.898	2343	2348	2360	rVB	591149	1077159	3.79%	0.885%
88	16.033	2362	2371	2381	rBV2	732763	2089925	7.36%	1.718%
89	16.115	2381	2385	2392	rVB	215374	384968	1.36%	0.316%
90	16.209	2393	2401	2406	rBV2	183024	499498	1.76%	0.411%
91	16.462	2439	2444	2448	rVV	310804	653958	2.30%	0.537%
92	16.509	2448	2452	2463	rVV2	410335	1232608	4.34%	1.013%
93	16.603	2464	2468	2481	rVB	313273	689317	2.43%	0.567%
94	16.792	2495	2500	2516	rVB	244031	612037	2.15%	0.503%
95	17.009	2524	2537	2544	rBV	474272	1876962	6.61%	1.543%
96	17.080	2544	2549	2562	rVV	362370	1037560	3.65%	0.853%
97	17.198	2563	2569	2579	rVV	312338	825319	2.91%	0.678%
98	17.433	2602	2609	2620	rBV2	217347	611889	2.15%	0.503%
99	17.639	2637	2644	2657	rVB2	255649	858541	3.02%	0.706%
100	18.803	2836	2842	2862	rVB9	111975	464108	1.63%	0.381%

Sum of corrected areas: 121669562

LSC Report - Integrated Chromatogram

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Data File : BF114091.D
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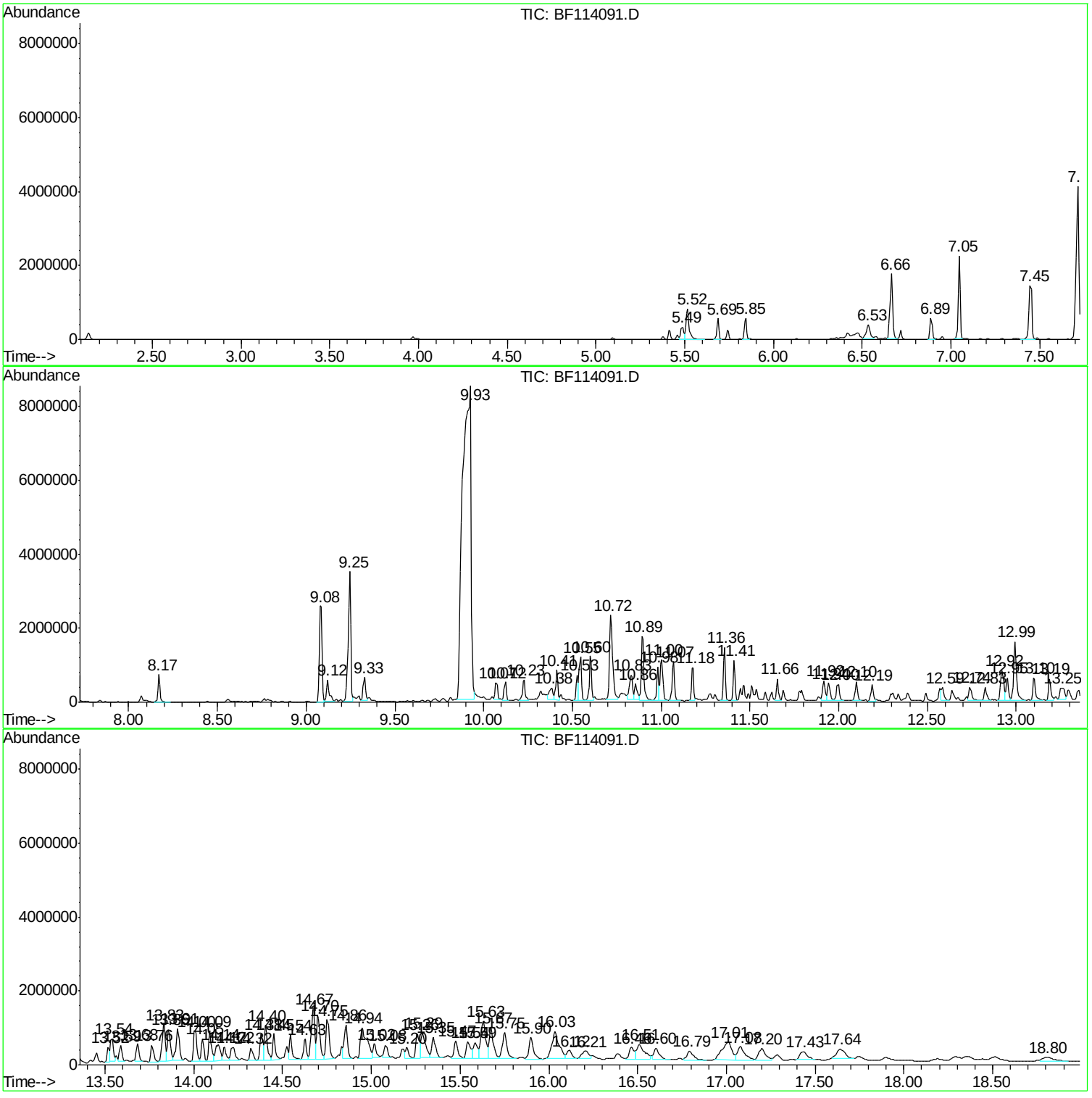
Operator : JU/SJ
Sample : K2650-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GROUND-WATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF050219\
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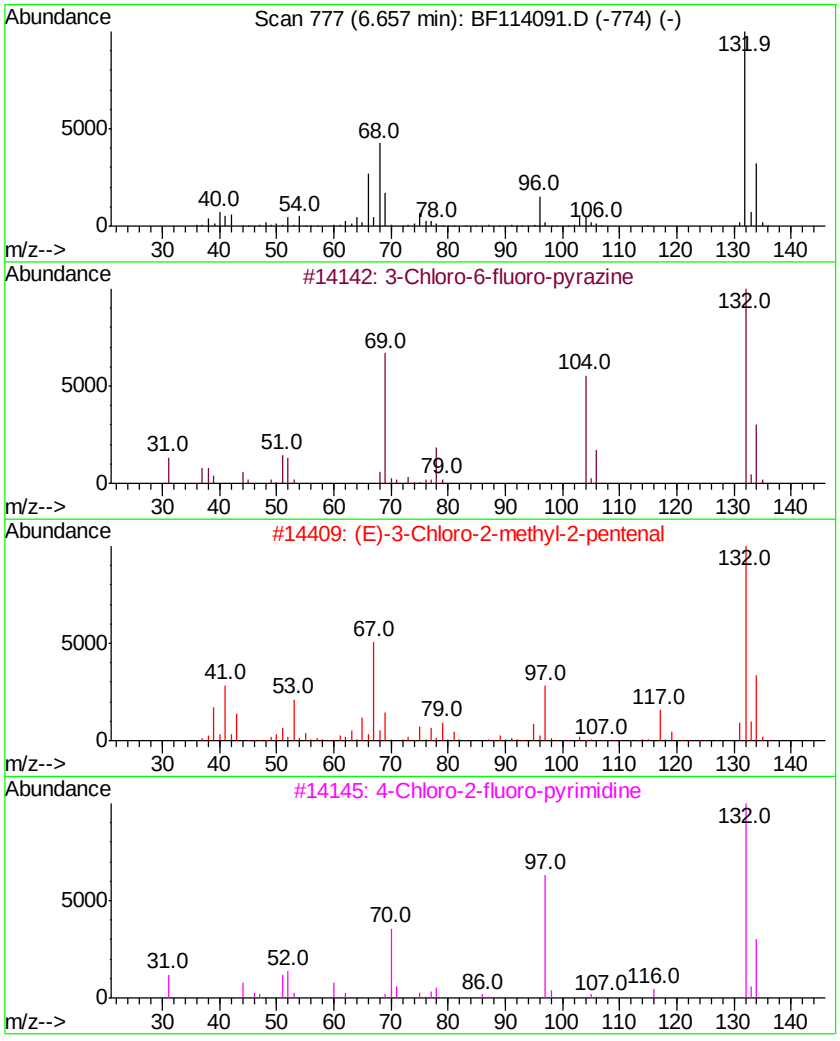
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

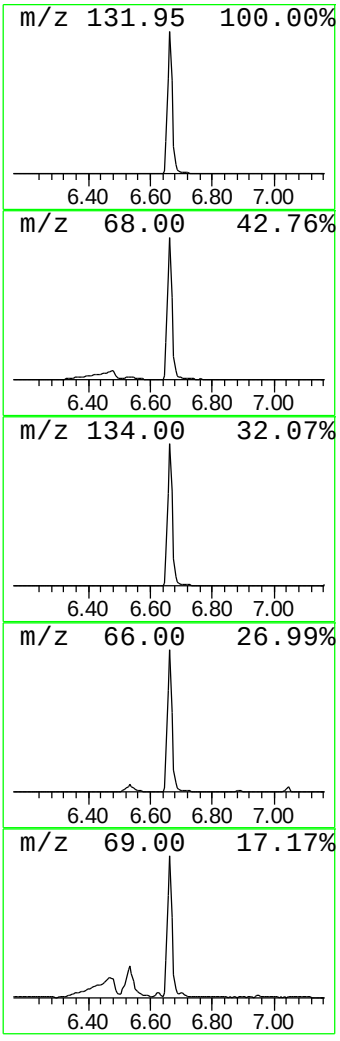
****

Peak Number 1 unknown6.66 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.66	75.61 ng	1767980	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
3	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
4	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





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Sample : K2650-01
Misc :
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Instrument : BNA_F
ClientSampleId : GROUND-WATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

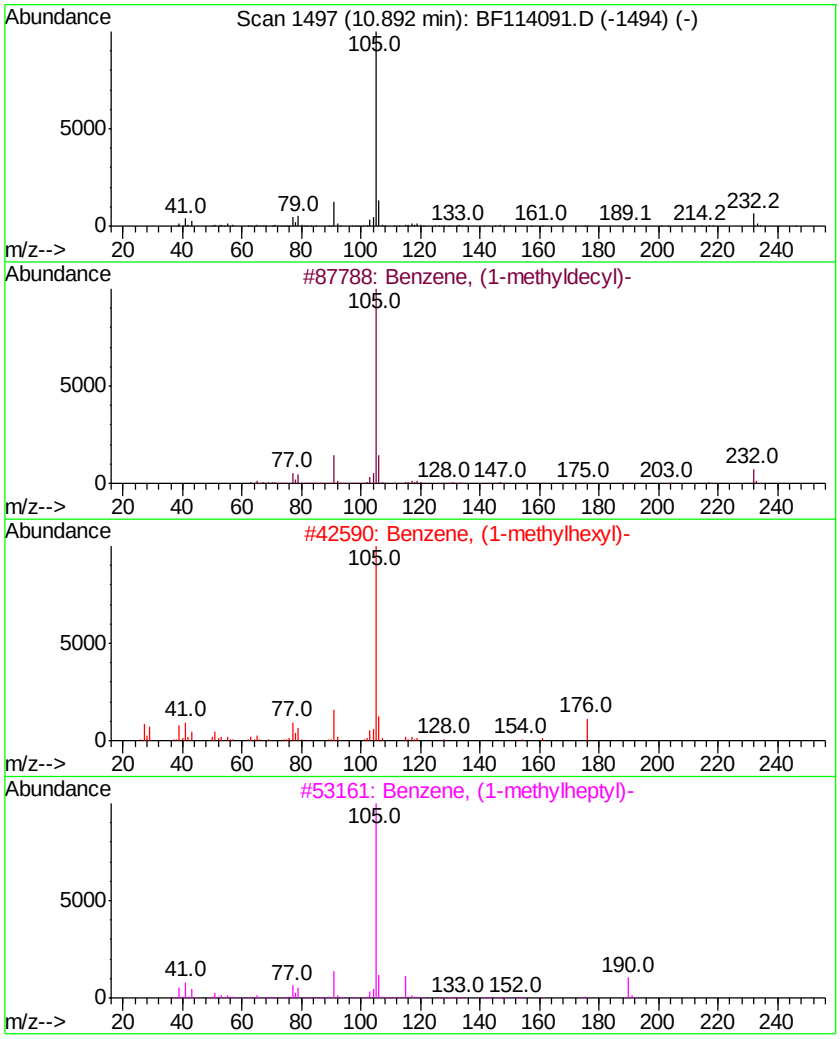
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

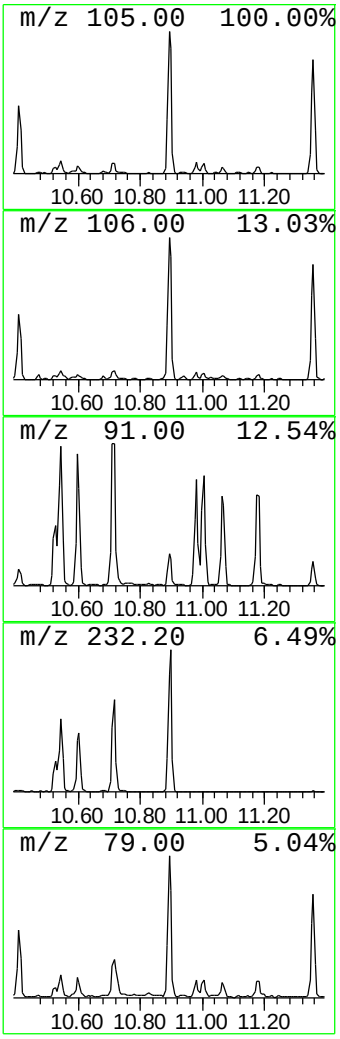
****

Peak Number 3 Benzene, (1-methyldecyl)- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.89	42.15 ng	1892180	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyldecyl)-	232	C17H28	004536-88-3	94
2	Benzene, (1-methylhexyl)-	176	C13H20	002132-84-5	80
3	Benzene, (1-methylheptyl)-	190	C14H22	000777-22-0	72
4	Benzene, (1-methylnonyl)-	218	C16H26	004537-13-7	72
5	2-Methylbenzylamine, N,N-dibutyl-	233	C16H27N	1000310-39-6	58





Library Search Compound Report

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TIC Library : C:\DATABASE\NIST11.L
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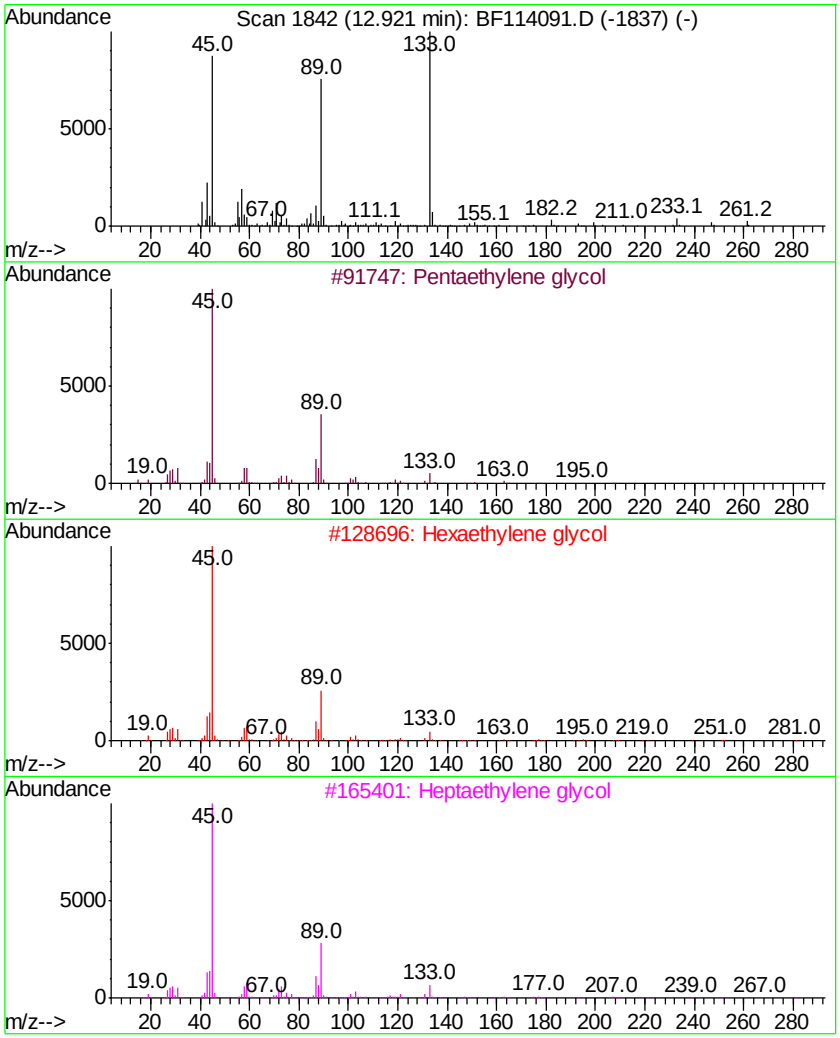
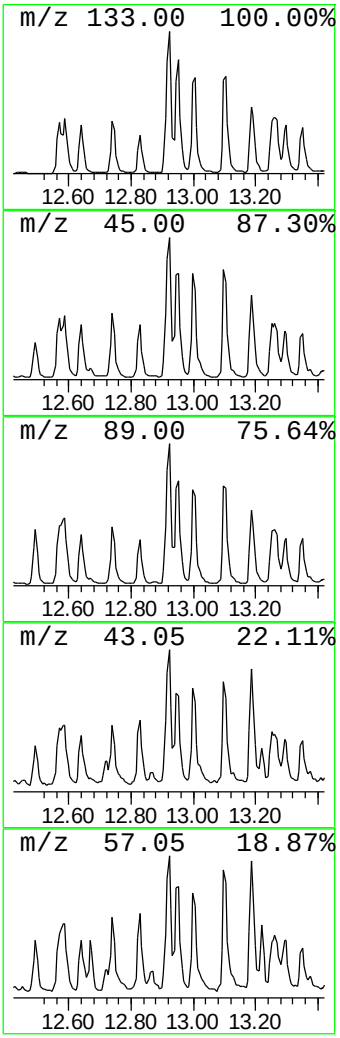
Peak Number 4 Pentaethylene glycol Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.92	35.02 ng	926351	Chrysene-d12	14.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentaethylene glycol	238	C10H22O6	004792-15-8	74
2	Hexaethylene glycol	282	C12H26O7	002615-15-8	74
3	Heptaethylene glycol	326	C14H30O8	005617-32-3	64
4	Methanethioamide, N,N-dimethyl-	89	C3H7NS	000758-16-7	50
5	Diisobutyl (oxybis(ethane-2,1-di...	306	C14H26O7	1000378-30-5	42





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Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.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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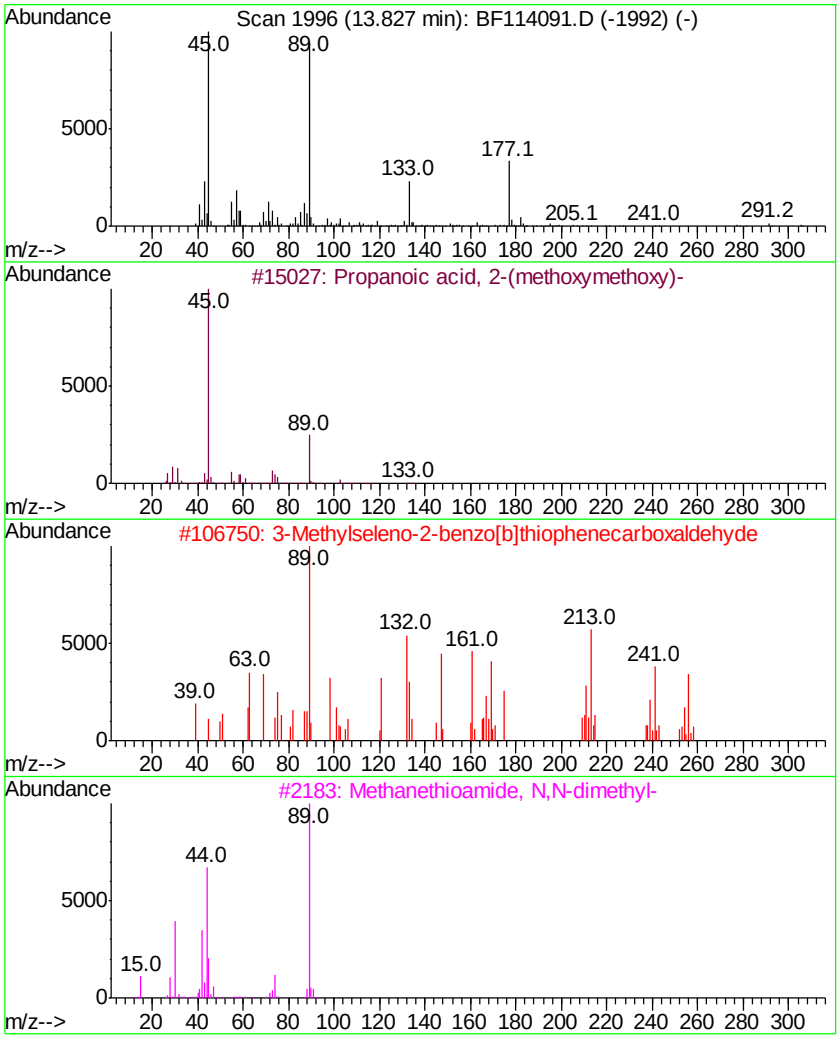
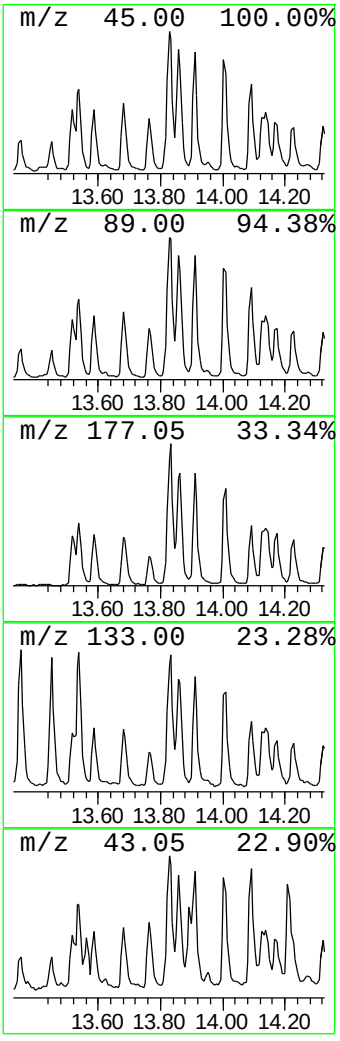
Peak Number 5 Propanoic acid, 2-(methoxym... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.83	48.40 ng	1280160	Chrysene-d12	14.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, 2-(methoxymethoxy)-	134	C5H10O4	081327-29-9	56
2	3-Methylseleno-2-benzo[b]thiophe...	256	C10H8OSSe	039857-04-0	53
3	Methanethioamide, N,N-dimethyl-	89	C3H7NS	000758-16-7	53
4	3,7-Dimethyl-6,7-di(methylthio)o...	248	C12H24OS2	1000314-40-1	42
5	Thiazole, tetrahydro-	89	C3H7NS	000504-78-9	42





Library Search Compound Report

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Instrument : BNA_F
ClientSampleId : GROUND-WATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

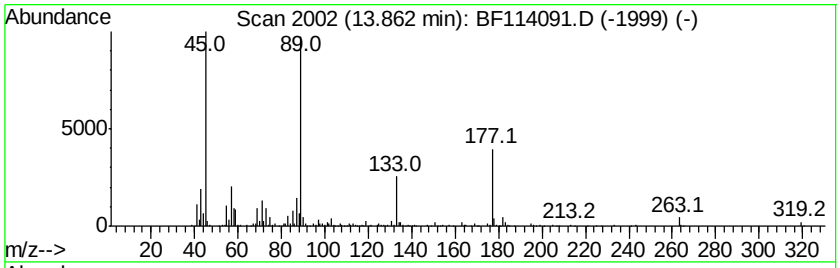
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

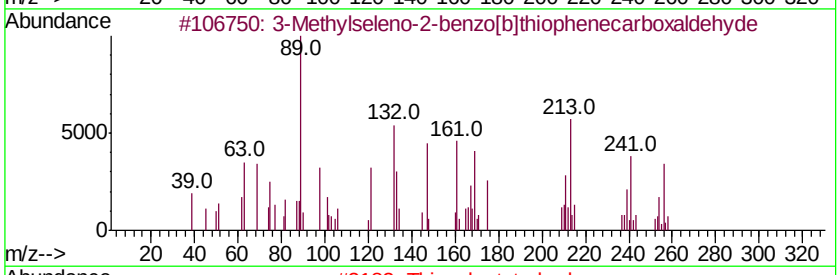
****

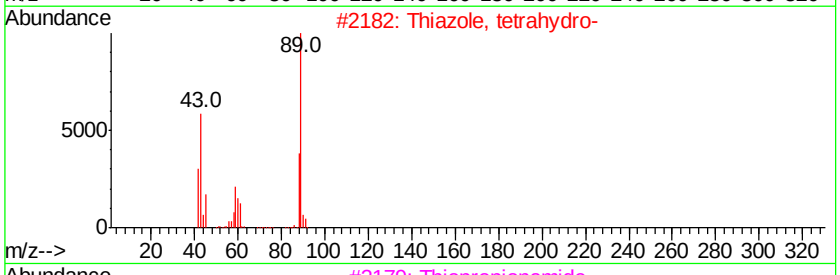
Peak Number 6 3-Methylseleno-2-benzo[b]th... Concentration Rank 16

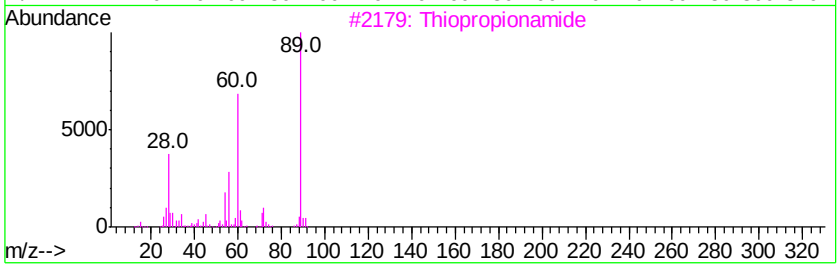
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	34.27 ng	906490	Chrysene-d12	14.05

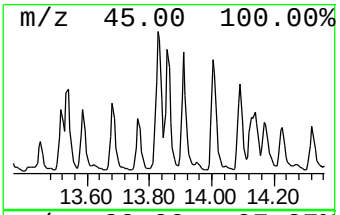
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methylseleno-2-benzo[b]thiophe...	256	C10H8OSSe	039857-04-0	53
2	Thiazole, tetrahydro-	89	C3H7NS	000504-78-9	42
3	Thiopropionamide	89	C3H7NS	000631-58-3	42
4	Methanethioamide, N,N-dimethyl-	89	C3H7NS	000758-16-7	42
5	Pentaethylene glycol	238	C10H22O6	004792-15-8	10

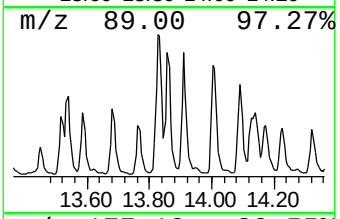


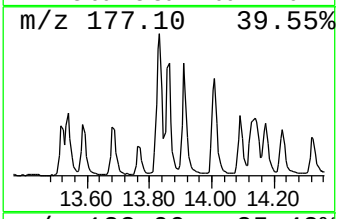


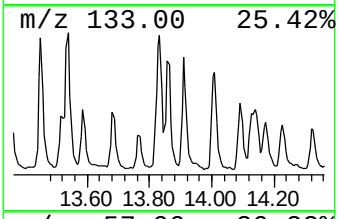


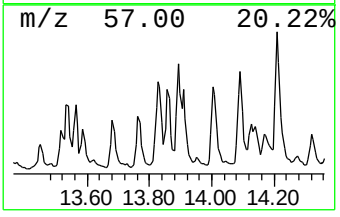












Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF050219\
Data File : BF114091.D
Acq On : 2 May 2019 18:17
Operator : JU/SJ
Sample : K2650-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GROUND-WATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.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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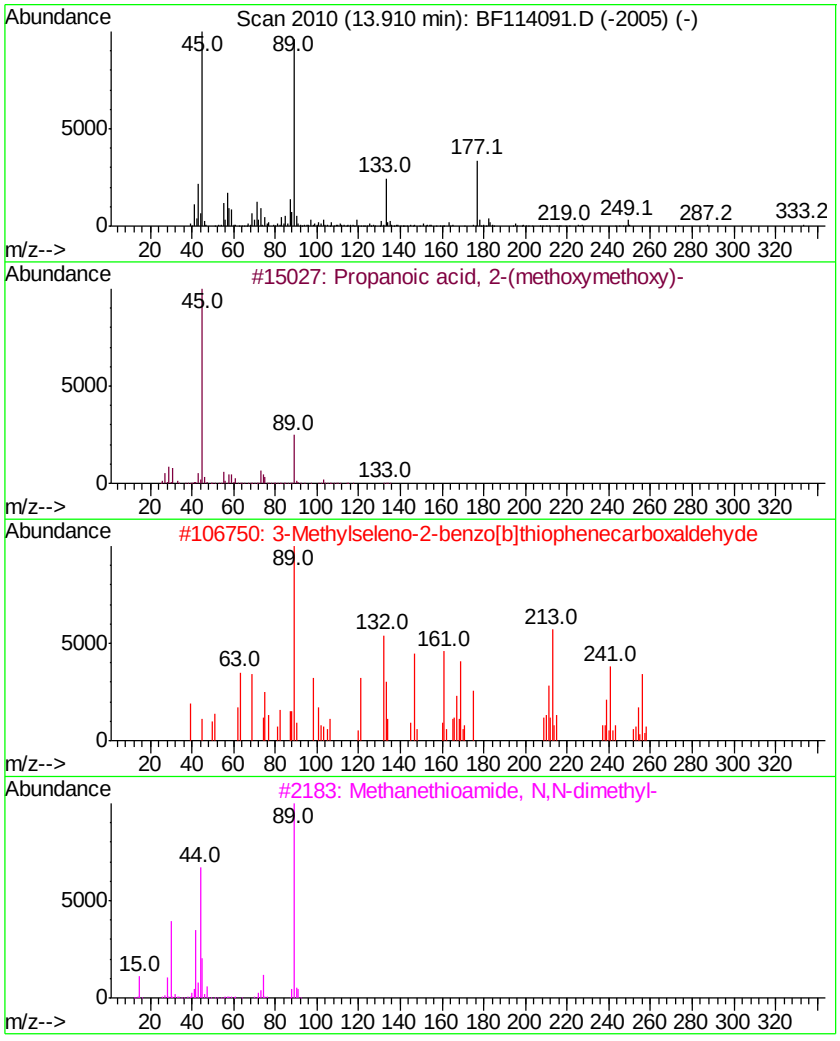
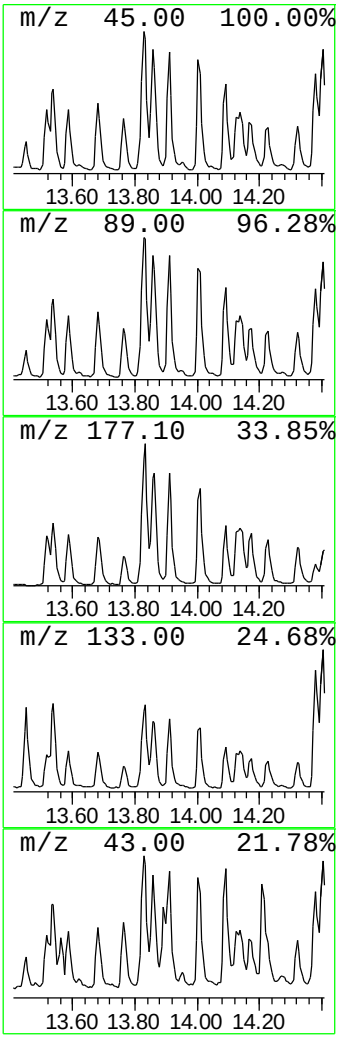
Peak Number 7 unknown13.91 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.91	38.89 ng	1028590	Chrysene-d12	14.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, 2-(methoxymethoxy)-	134	C5H10O4	081327-29-9	56
2	3-Methylseleno-2-benzo[b]thiophe...	256	C10H8OSSe	039857-04-0	53
3	Methanethioamide, N,N-dimethyl-	89	C3H7NS	000758-16-7	45
4	2-(2-(2-Butoxyethoxy)ethoxy)ethy...	306	C15H30O6	1000378-28-6	45
5	Isobutyl (2-(2-(2-methoxyethoxy)...	264	C12H24O6	1000378-28-5	45





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Operator : JU/SJ
Sample : K2650-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GROUND-WATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.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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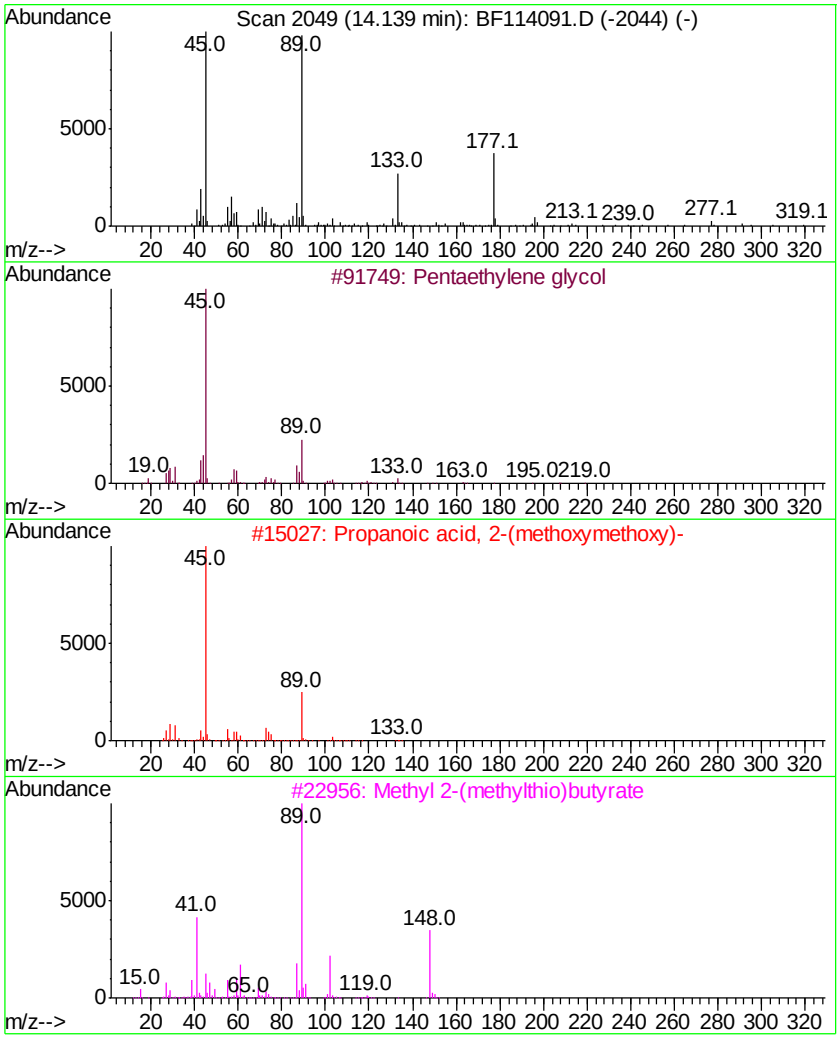
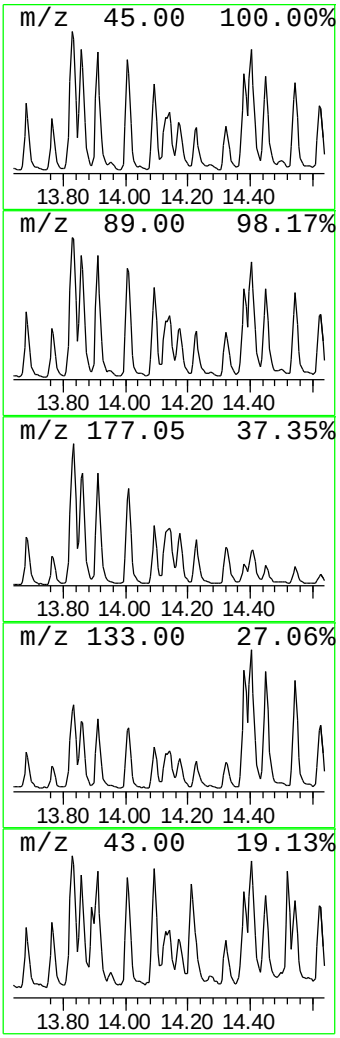
Peak Number 8 unknown14.14 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.14	31.62 ng	836228	Chrysene-d12	14.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentaethylene glycol	238	C10H22O6	004792-15-8	64
2	Propanoic acid, 2-(methoxymethoxy)-	134	C5H10O4	081327-29-9	56
3	Methyl 2-(methylthio)butyrate	148	C6H12O2S	051534-66-8	53
4	Methanethioamide, N,N-dimethyl-	89	C3H7NS	000758-16-7	53
5	2-(2-(2-Butoxyethoxy)ethoxy)ethy...	306	C15H30O6	1000378-28-6	45





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Acq On : 2 May 2019 18:17
Operator : JU/SJ
Sample : K2650-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GROUND-WATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.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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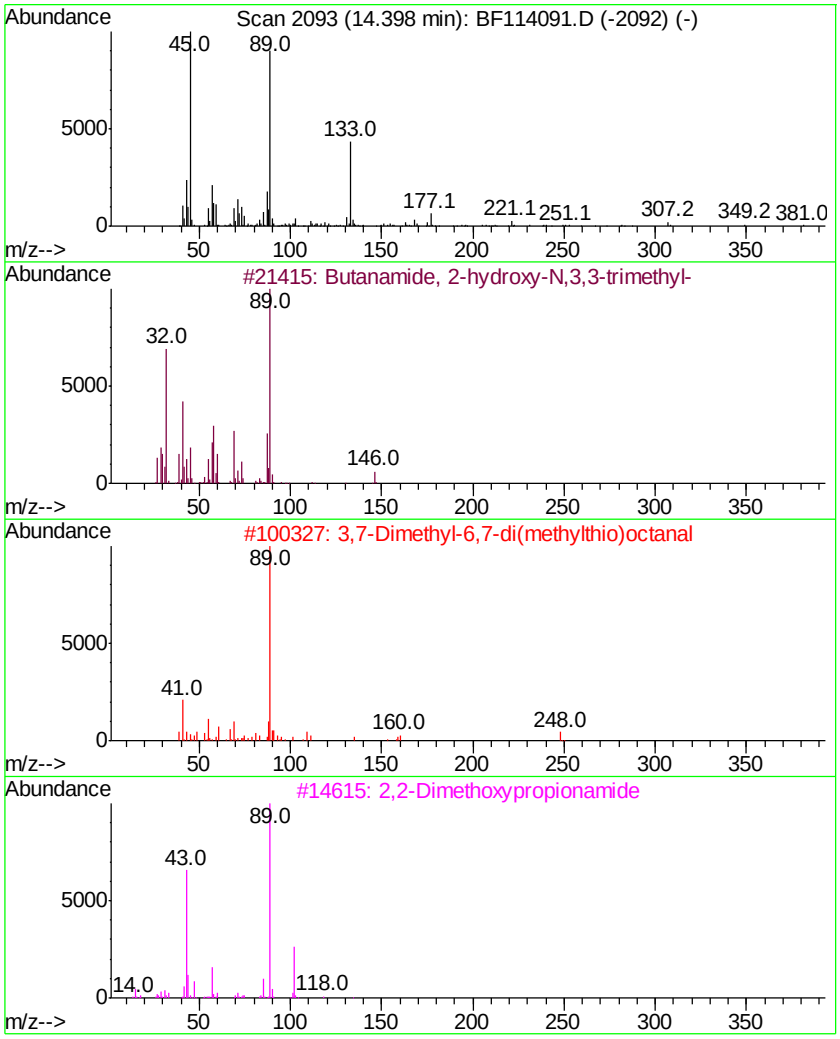
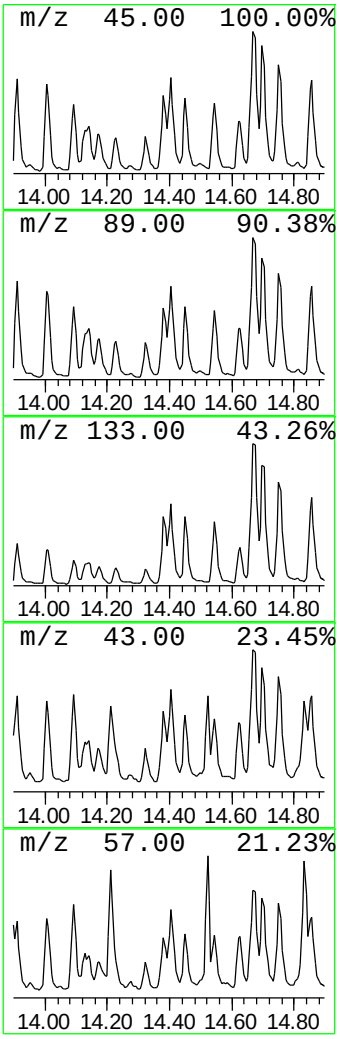
Peak Number 9 Butanamide, 2-hydroxy-N,3,3... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.40	41.61 ng	1100530	Chrysene-d12	14.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanamide, 2-hydroxy-N,3,3-trim...	145	C7H15NO2	087919-98-0	53
2	3,7-Dimethyl-6,7-di(methylthio)o...	248	C12H24OS2	1000314-40-1	50
3	2,2-Dimethoxypropionamide	133	C5H11NO3	1000237-69-7	50
4	Propanoic acid, 2-methyl-, 2-eth...	216	C12H24O3	074367-31-0	50
5	Diisobutyl (oxybis(ethane-2,1-di...	306	C14H26O7	1000378-30-5	50





Library Search Compound Report

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Data File : BF114091.D
Acq On : 2 May 2019 18:17
Operator : JU/SJ
Sample : K2650-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GROUND-WATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.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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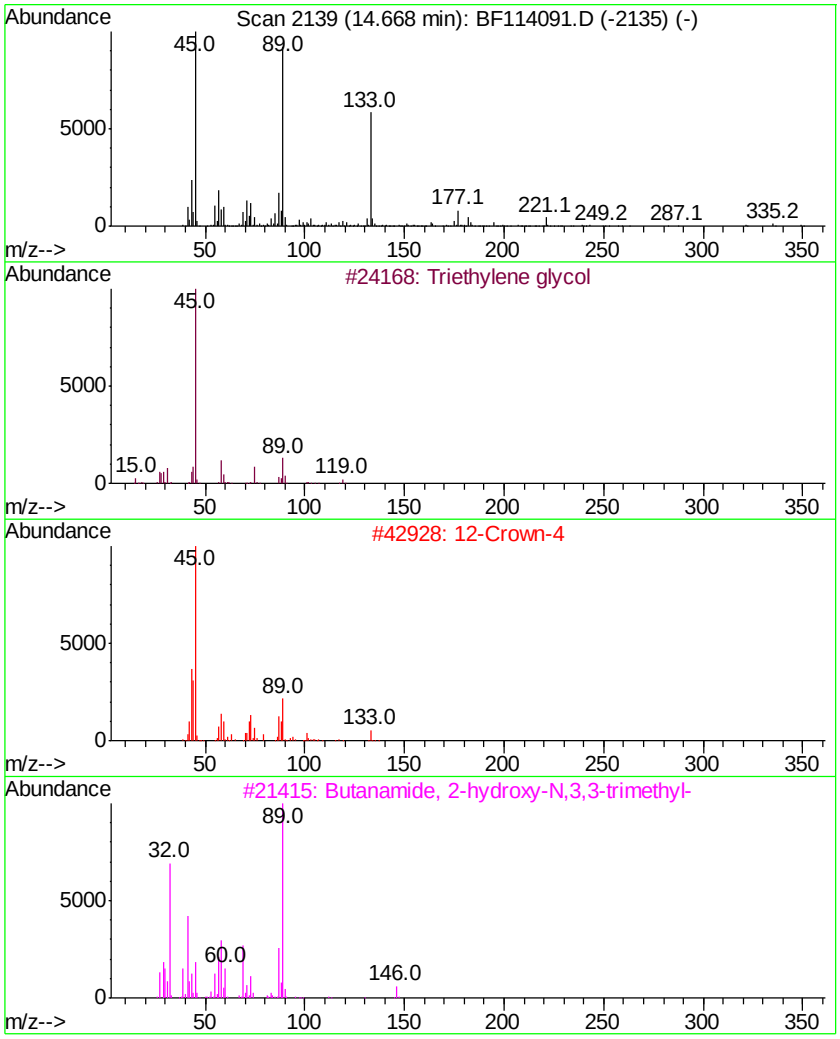
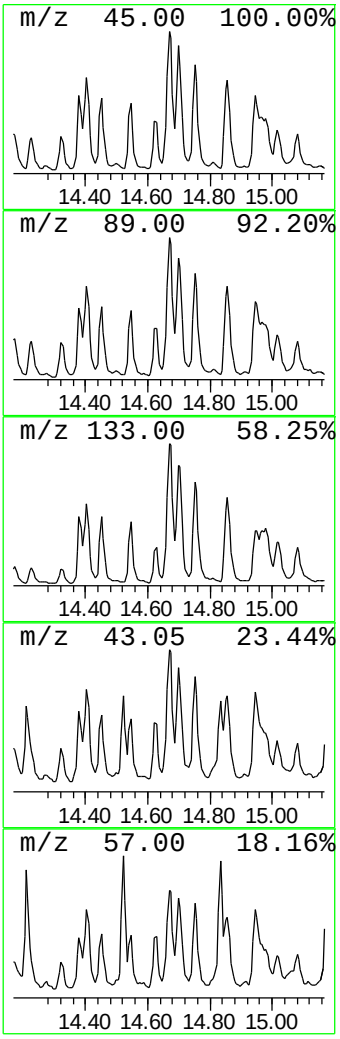
Peak Number 10 Triethylene glycol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.67	71.10 ng	1880640	Chrysene-d12	14.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triethylene glycol	150	C6H14O4	000112-27-6	72
2	12-Crown-4	176	C8H16O4	000294-93-9	64
3	Butanamide, 2-hydroxy-N,3,3-trim...	145	C7H15NO2	087919-98-0	42
4	3,7-Dimethyl-6,7-di(methylthio)o...	248	C12H24OS2	1000314-40-1	40
5	Thiazole, tetrahydro-	89	C3H7NS	000504-78-9	40





Library Search Compound Report

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Data File : BF114091.D
Acq On : 2 May 2019 18:17
Operator : JU/SJ
Sample : K2650-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GROUND-WATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.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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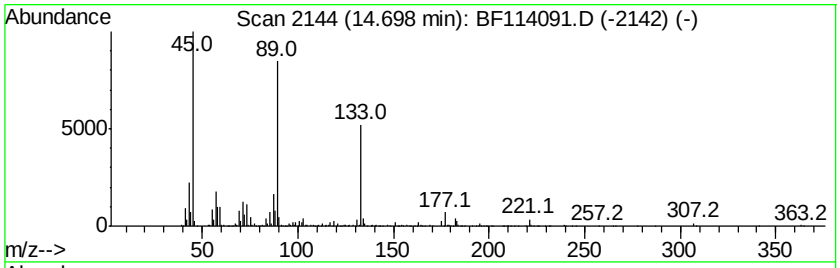
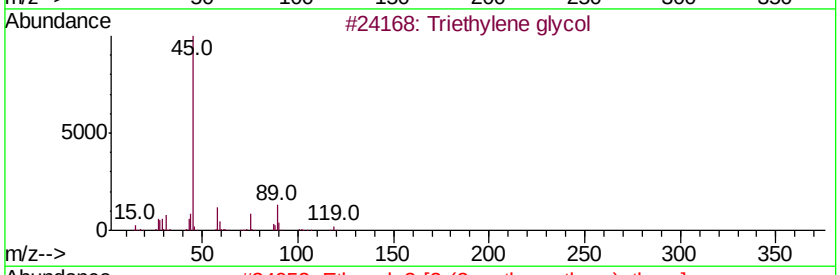
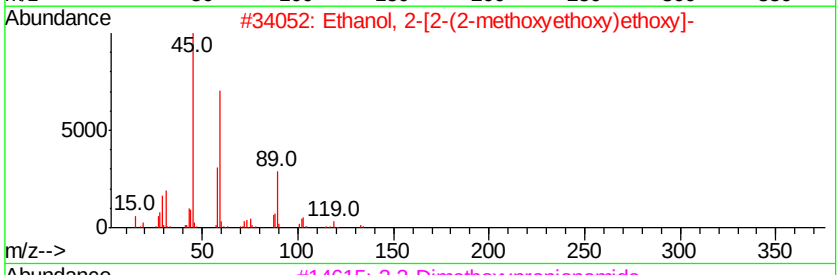
Peak Number 11 Ethanol, 2-[2-(2-methoxyeth... Concentration Rank 4

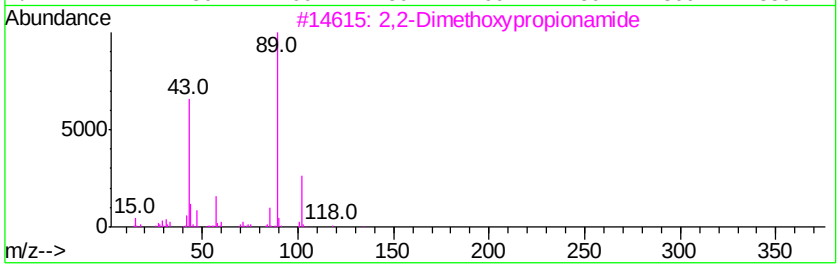
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.70	54.33 ng	1437070	Chrysene-d12	14.05

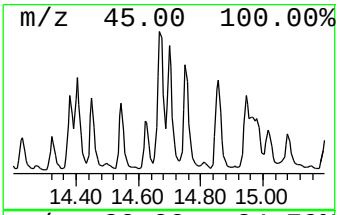
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triethylene glycol	150	C6H14O4	000112-27-6	72
2	Ethanol, 2-[2-(2-methoxyethoxy)e...	164	C7H16O4	000112-35-6	56
3	2,2-Dimethoxypropionamide	133	C5H11NO3	1000237-69-7	50
4	Butanamide, 2-hydroxy-N,3,3-trim...	145	C7H15NO2	087919-98-0	42
5	Hexaethylene glycol	282	C12H26O7	002615-15-8	18

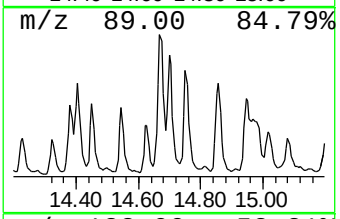


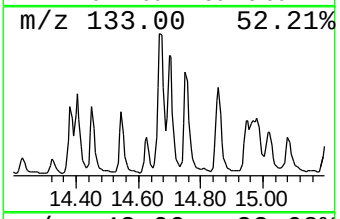


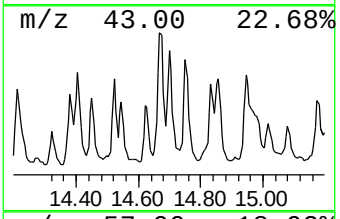


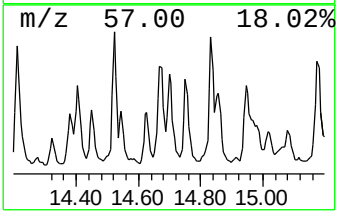












Library Search Compound Report

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Data File : BF114091.D
Acq On : 2 May 2019 18:17
Operator : JU/SJ
Sample : K2650-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GROUND-WATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.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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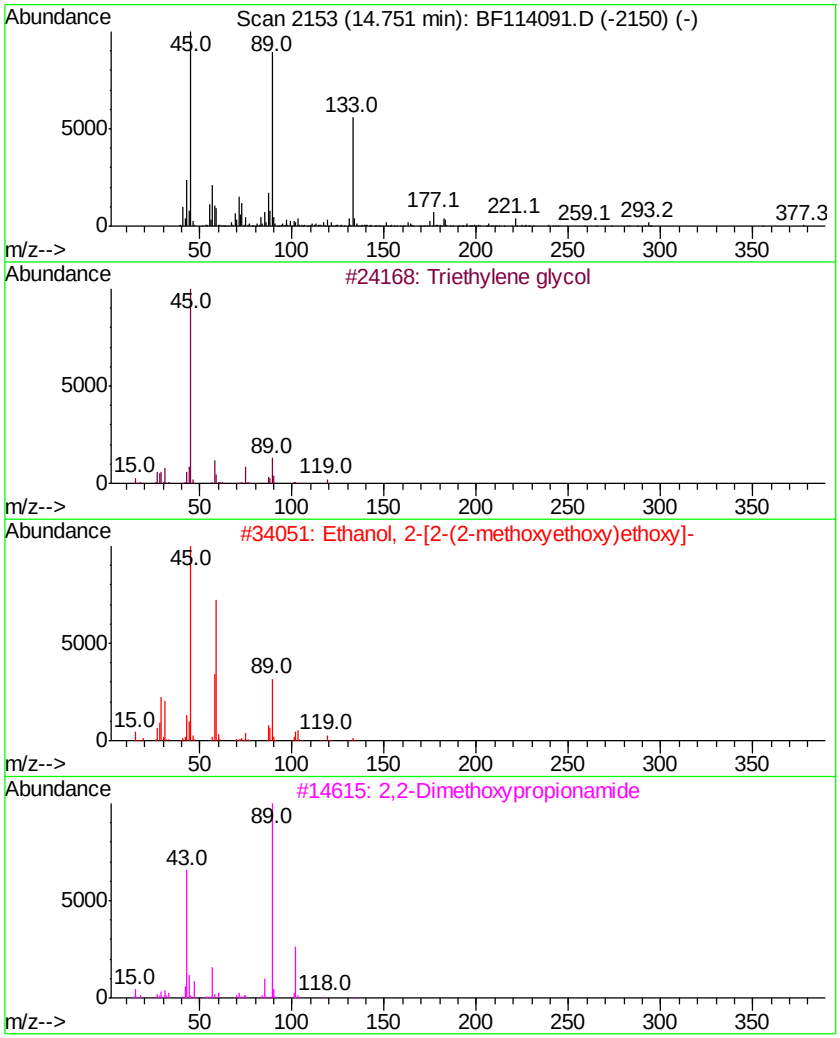
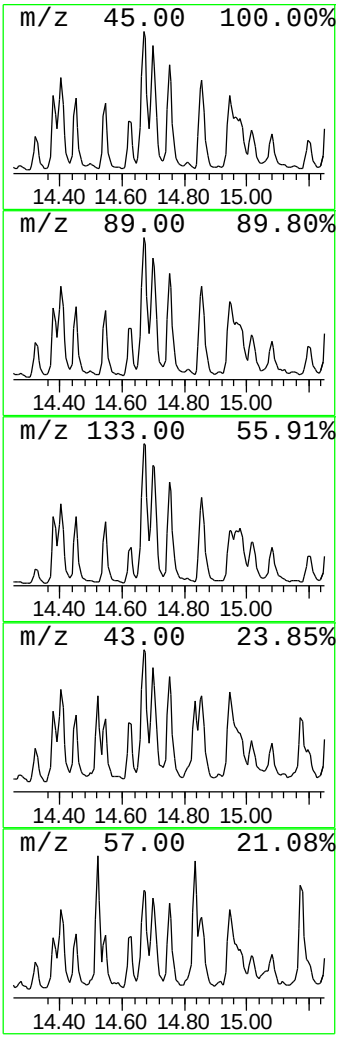
Peak Number 12 2,2-Dimethoxypropionamide Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.75	48.58 ng	1285030	Chrysene-d12	14.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triethylene glycol	150	C6H14O4	000112-27-6	72
2	Ethanol, 2-[2-(2-methoxyethoxy)e...	164	C7H16O4	000112-35-6	56
3	2,2-Dimethoxypropionamide	133	C5H11NO3	1000237-69-7	50
4	Butanamide, 2-hydroxy-N,3,3-trim...	145	C7H15NO2	087919-98-0	42
5	Heptaethylene glycol	326	C14H30O8	005617-32-3	18





Library Search Compound Report

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Data File : BF114091.D
Acq On : 2 May 2019 18:17
Operator : JU/SJ
Sample : K2650-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GROUND-WATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.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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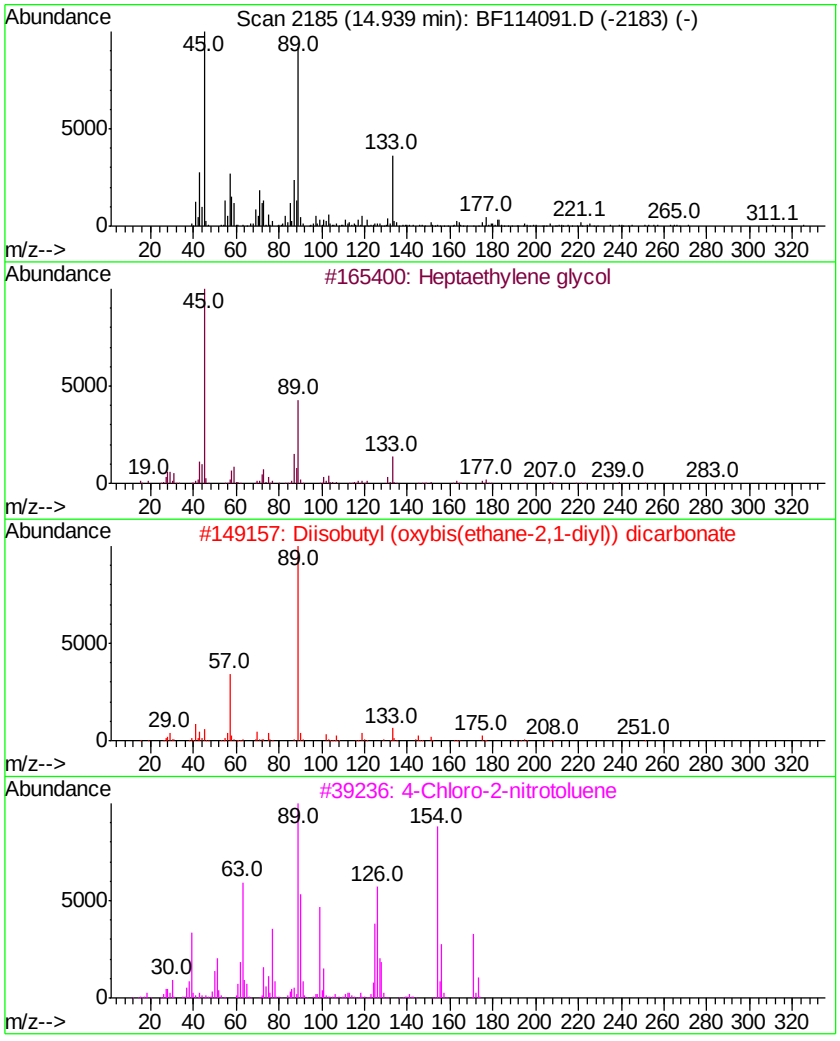
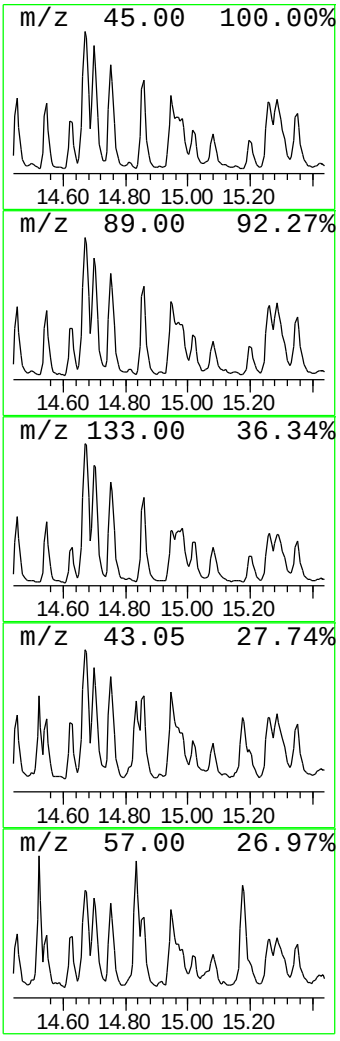
Peak Number 13 Heptaethylene glycol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.94	52.88 ng	2042830	Perylene-d12	15.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptaethylene glycol	326	C14H30O8	005617-32-3	64
2	Diisobutyl (oxybis(ethane-2,1-di...	306	C14H26O7	1000378-30-5	47
3	4-Chloro-2-nitrotoluene	171	C7H6ClNO2	000089-59-8	47
4	2,2-Dimethoxypropionamide	133	C5H11NO3	1000237-69-7	47
5	2-[2-[2-[2-[2-[2-[2-(2-Hydrox...	414	C18H38O10	1000352-12-5	30





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Acq On : 2 May 2019 18:17
Operator : JU/SJ
Sample : K2650-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GROUND-WATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.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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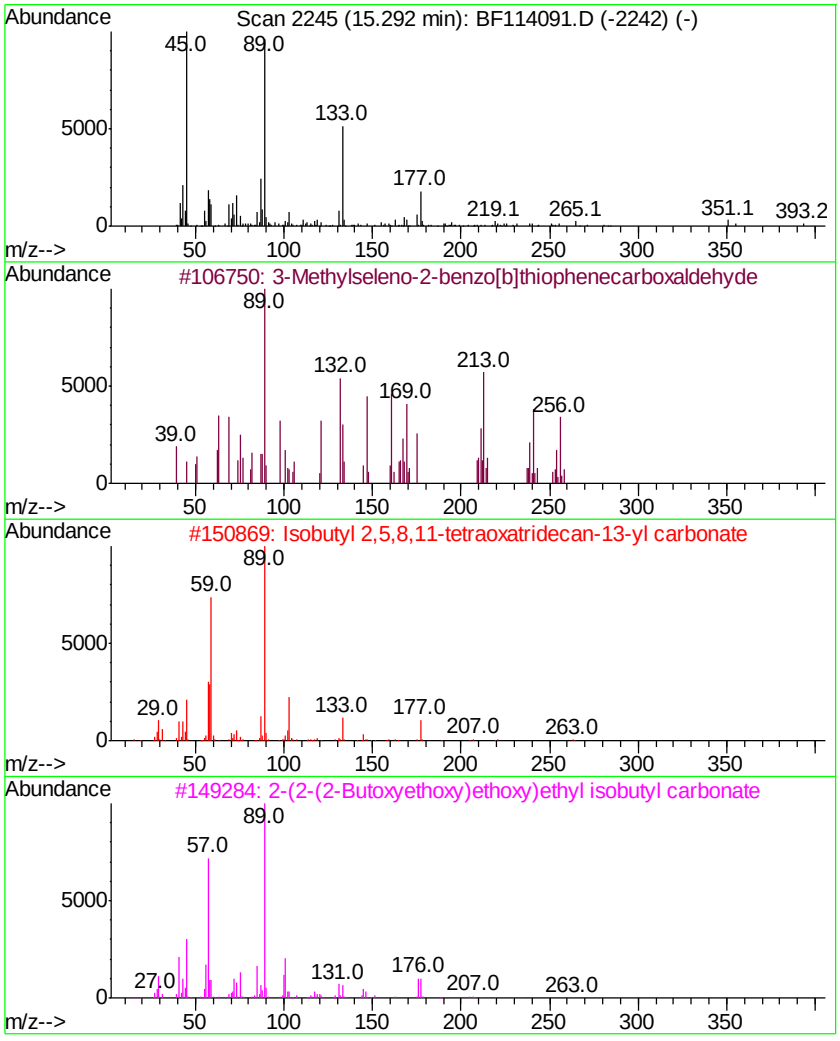
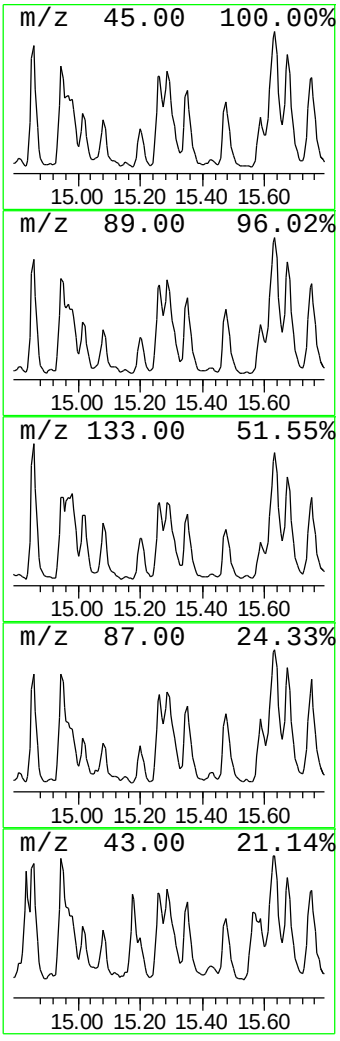
Peak Number 14 unknown15.29 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.29	31.29 ng	1208780	Perylene-d12	15.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methylseleno-2-benzo[b]thiophe...	256	C10H8OSSe	039857-04-0	53
2	Isobutyl 2,5,8,11-tetraoxatridec...	308	C14H28O7	1000378-27-9	45
3	2-(2-(2-Butoxyethoxy)ethoxy)ethy...	306	C15H30O6	1000378-28-6	45
4	2-(2-(2-Ethoxyethoxy)ethoxy)ethy...	278	C13H26O6	1000378-28-7	45
5	2-Methylseleno-3-benzo[b]thiophe...	256	C10H8OSSe	039857-07-3	42





Library Search Compound Report

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Data File : BF114091.D
Acq On : 2 May 2019 18:17
Operator : JU/SJ
Sample : K2650-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GROUND-WATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.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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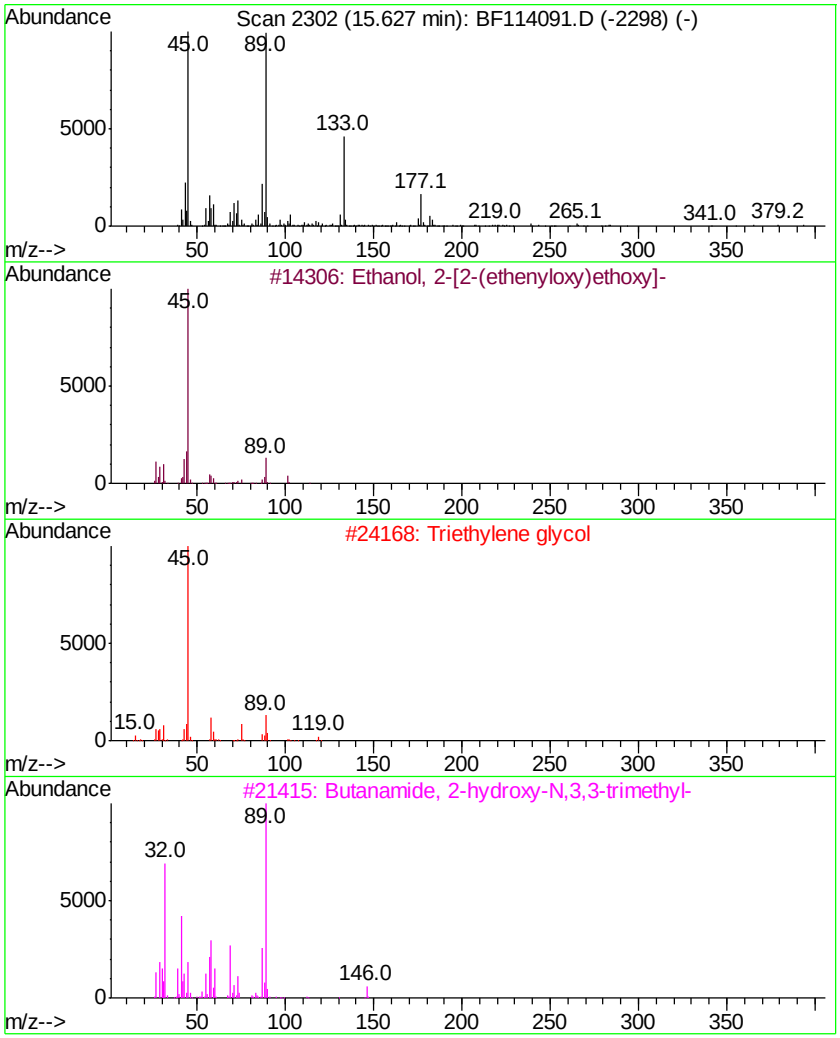
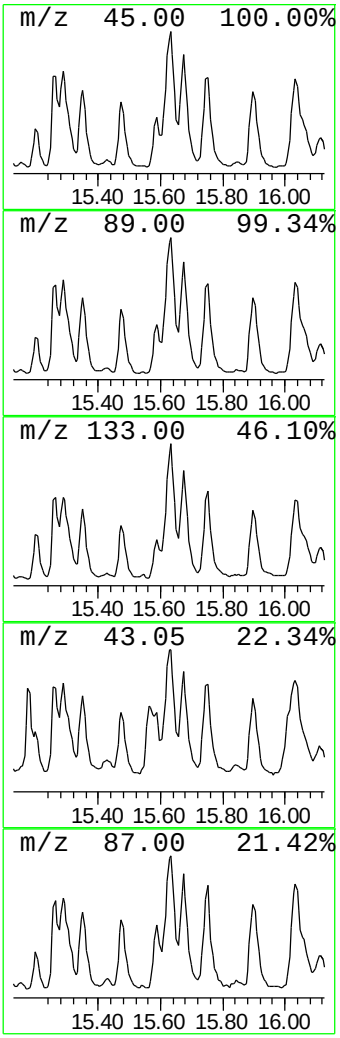
Peak Number 15 Ethanol, 2-[2-(ethenyloxy)e... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.63	52.19 ng	2016210	Perylene-d12	15.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-[2-(ethenyloxy)ethoxy]-	132	C6H12O3	000929-37-3	56
2	Triethylene glycol	150	C6H14O4	000112-27-6	56
3	Butanamide, 2-hydroxy-N,3,3-trim...	145	C7H15NO2	087919-98-0	53
4	Methanethioamide, N,N-dimethyl-	89	C3H7NS	000758-16-7	40
5	Heptaethylene glycol	326	C14H30O8	005617-32-3	25





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF050219\
Data File : BF114091.D
Acq On : 2 May 2019 18:17
Operator : JU/SJ
Sample : K2650-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GROUND-WATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.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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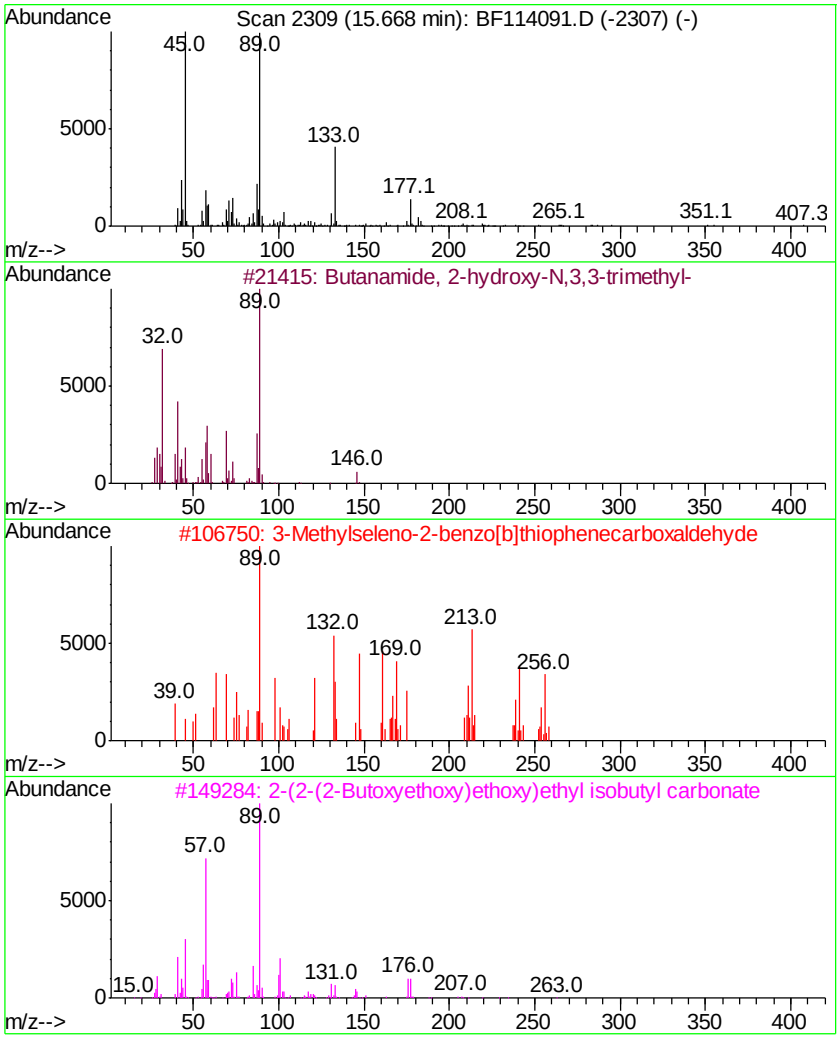
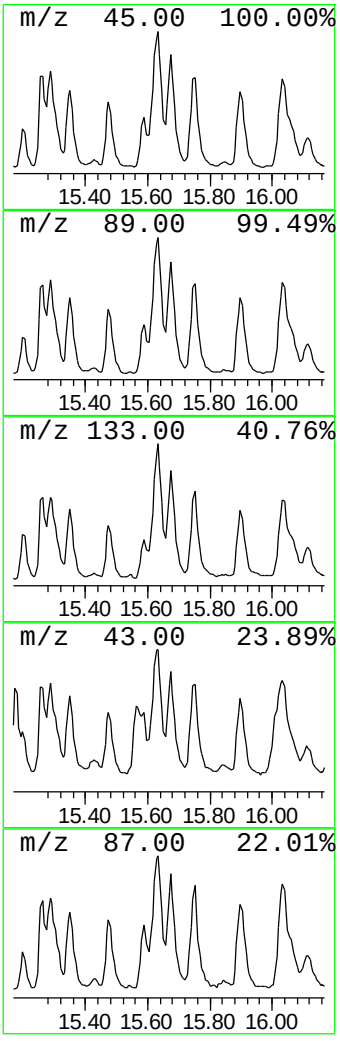
Peak Number 16 unknown15.67 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.67	34.91 ng	1348780	Perylene-d12	15.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanamide, 2-hydroxy-N,3,3-trim...	145	C7H15NO2	087919-98-0	59
2	3-Methylseleno-2-benzo[b]thiophe...	256	C10H8OSSe	039857-04-0	53
3	2-(2-(2-Butoxyethoxy)ethoxy)ethy...	306	C15H30O6	1000378-28-6	45
4	2-[2-[2-[2-[2-[2-[2-(2-Hydroxyet...	370	C16H34O9	005117-19-1	30
5	2-[2-[2-[2-[2-[2-[2-[2-(2-Hydrox...	414	C18H38O10	1000352-12-5	30





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Data File : BF114091.D
Acq On : 2 May 2019 18:17
Operator : JU/SJ
Sample : K2650-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GROUND-WATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.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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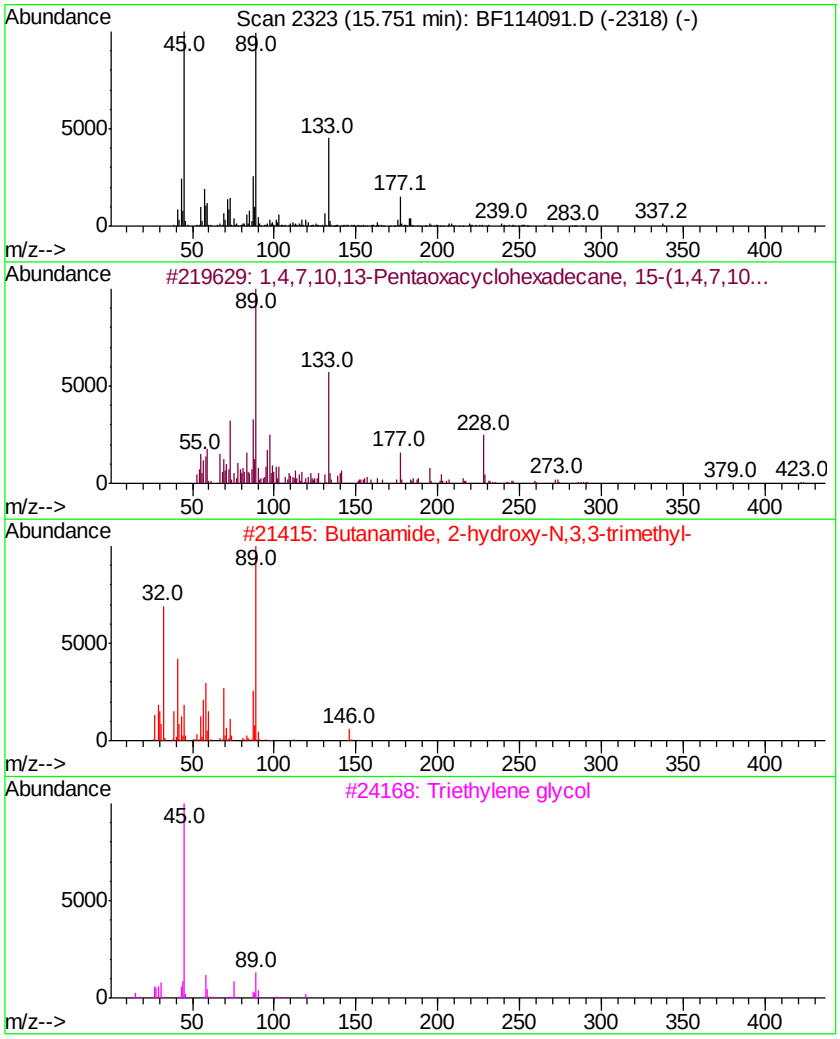
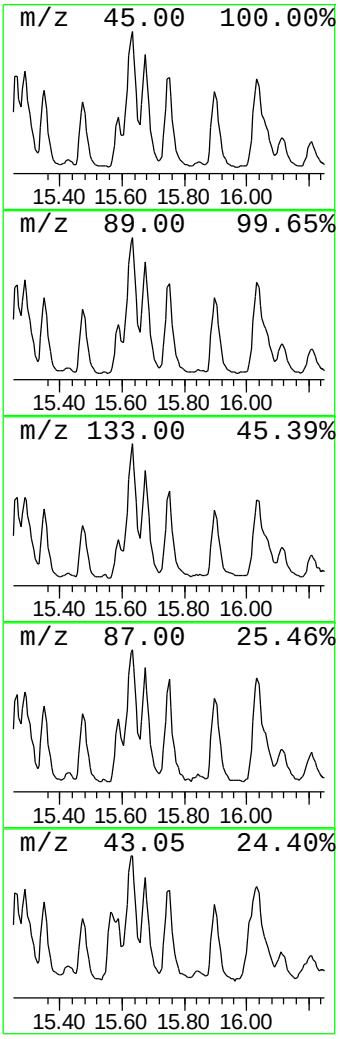
Peak Number 17 1,4,7,10,13-Pentaoxacyclohe... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.75	31.98 ng	1235290	Perylene-d12	15.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4,7,10,13-Pentaoxacyclohexadec...	422	C20H38O9	109773-69-5	74
2	Butanamide, 2-hydroxy-N,3,3-trim...	145	C7H15NO2	087919-98-0	59
3	Triethylene glycol	150	C6H14O4	000112-27-6	56
4	2,2-Dimethoxypropionamide	133	C5H11NO3	1000237-69-7	47
5	2-[2-[2-[2-[2-[2-[2-[2-(2-Hydrox...	414	C18H38O10	1000352-12-5	30





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF050219\
Data File : BF114091.D
Acq On : 2 May 2019 18:17
Operator : JU/SJ
Sample : K2650-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GROUND-WATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.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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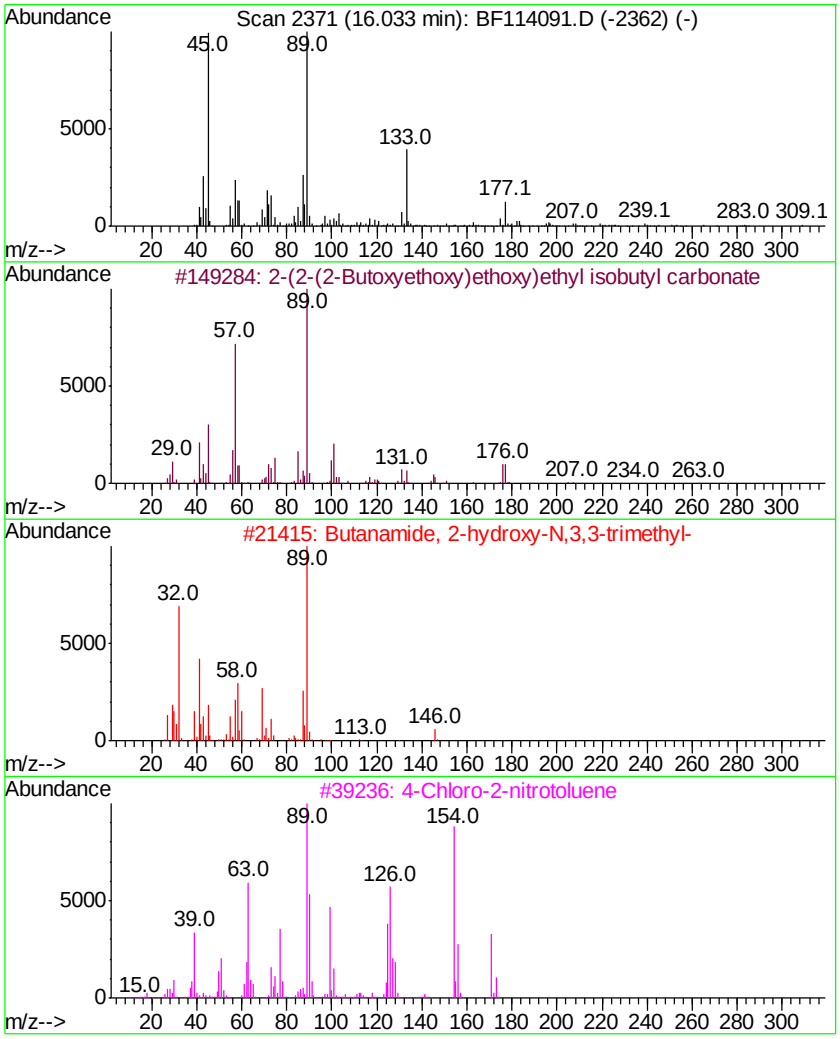
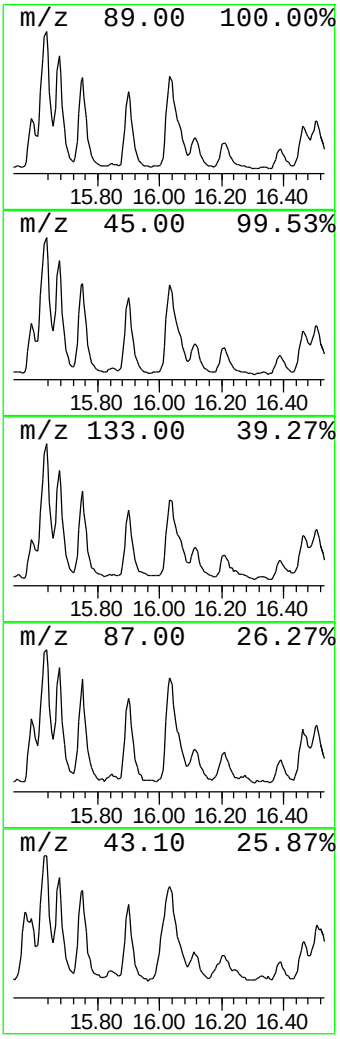
Peak Number 18 unknown16.03 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.03	54.10 ng	2089930	Perylene-d12	15.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-(2-(2-Butoxyethoxy)ethoxy)ethy...	306	C15H30O6	1000378-28-6	59
2	Butanamide, 2-hydroxy-N,3,3-trim...	145	C7H15NO2	087919-98-0	53
3	4-Chloro-2-nitrotoluene	171	C7H6ClNO2	000089-59-8	47
4	2-[2-[2-[2-[2-[2-[2-[2-[2-(2-...	502	C22H46O12	1000352-13-2	46
5	2-[2-[2-[2-[2-[2-[2-[2-(2-Hydrox...	414	C18H38O10	1000352-12-5	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF050219\
Data File : BF114091.D
Acq On : 2 May 2019 18:17
Operator : JU/SJ
Sample : K2650-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GROUND-WATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.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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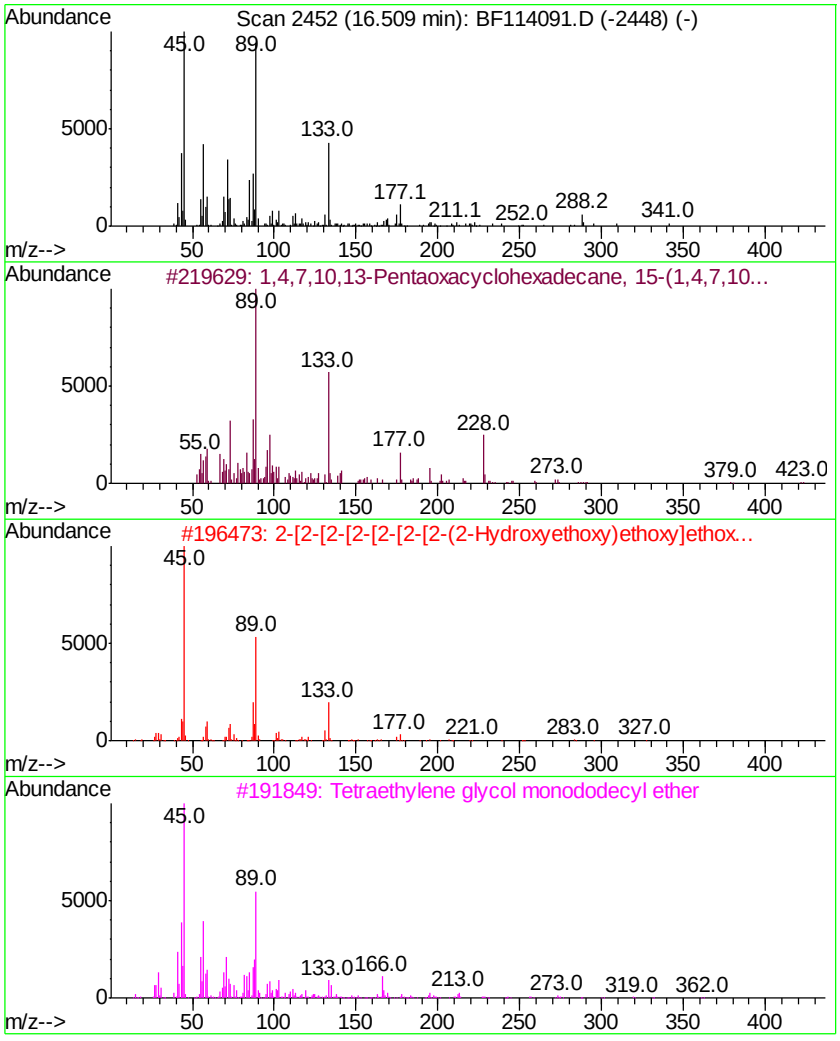
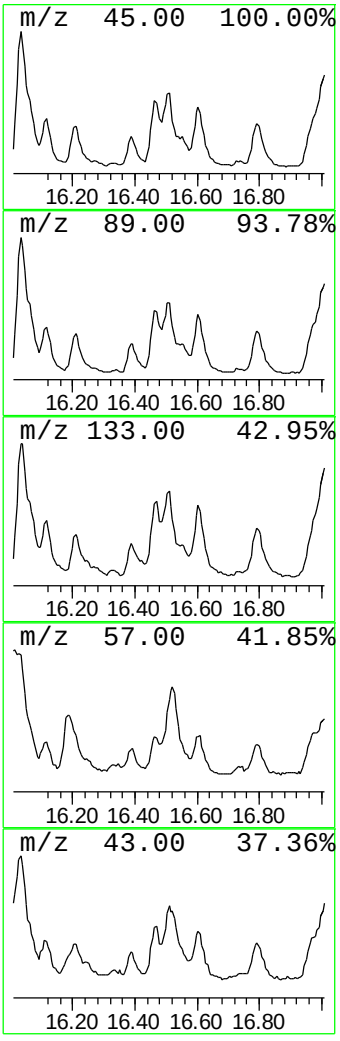
Peak Number 19 2-[2-[2-[2-[2-[2-[2-(2-Hydr... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.51	31.91 ng	1232610	Perylene-d12	15.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4,7,10,13-Pentaoxacyclohexadec...	422	C20H38O9	109773-69-5	72
2	2-[2-[2-[2-[2-[2-[2-(2-Hydroxyet...	370	C16H34O9	005117-19-1	58
3	Tetraethylene glycol monododecyl...	362	C20H42O5	005274-68-0	56
4	Butanamide, 2-hydroxy-N,3,3-trim...	145	C7H15NO2	087919-98-0	53
5	7-[2,6-Dichlorobenzyl]-4-chlorop...	311	C13H8Cl3N3	1000212-65-9	47





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF050219\
Data File : BF114091.D
Acq On : 2 May 2019 18:17
Operator : JU/SJ
Sample : K2650-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GROUND-WATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.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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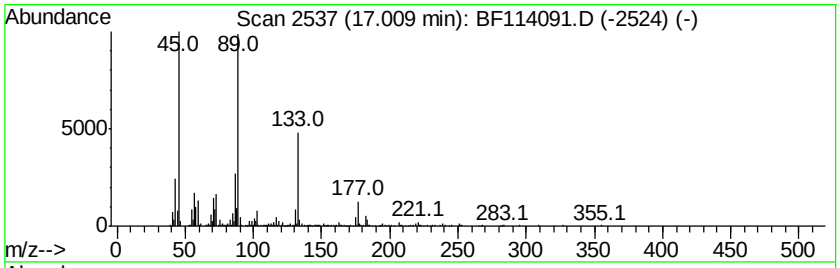
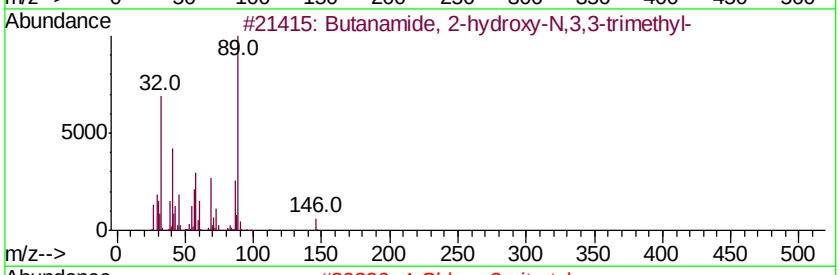
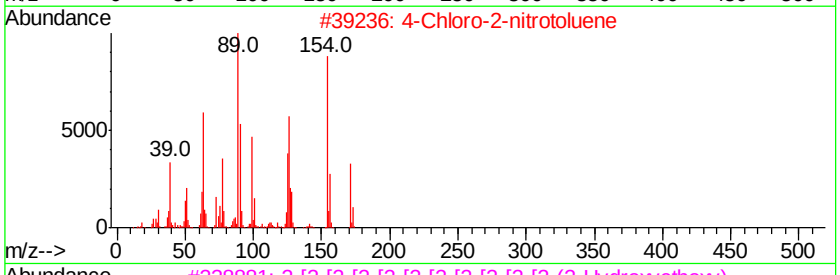
Peak Number 20 4-Chloro-2-nitrotoluene Concentration Rank 8

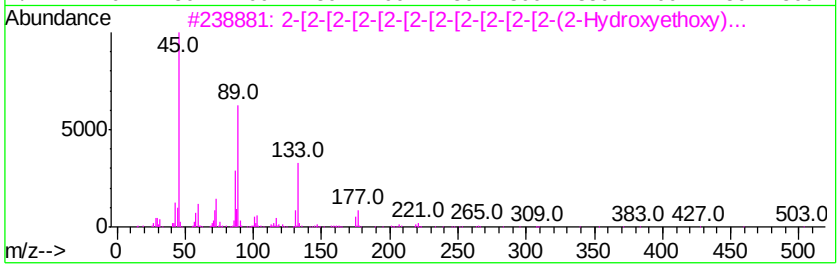
R.T.	EstConc	Area	Relative to ISTD	R.T.
17.01	48.58 ng	1876960	Perylene-d12	15.54

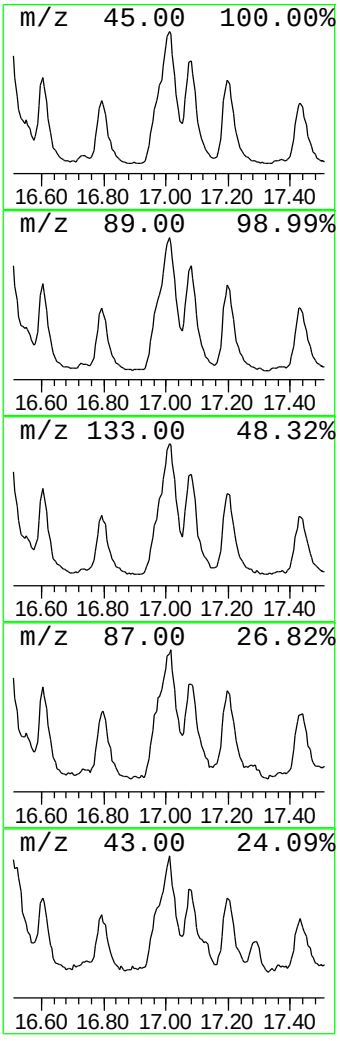
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanamide, 2-hydroxy-N,3,3-trim...	145	C7H15NO2	087919-98-0	59
2	4-Chloro-2-nitrotoluene	171	C7H6ClNO2	000089-59-8	50
3	2-[2-[2-[2-[2-[2-[2-[2-[2-[2-...	546	C24H50O13	1000352-12-7	42
4	2-[2-[2-[2-[2-[2-[2-[2-(2-Hyd...	458	C20H42O11	1000352-12-6	35
5	2-[2-[2-[2-[2-[2-[2-(2-Hydroxyet...	370	C16H34O9	005117-19-1	30











Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF050219\
Data File : BF114091.D
Acq On : 2 May 2019 18:17
Operator : JU/SJ
Sample : K2650-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GROUND-WATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.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
unknown6.66	6.66	75.6	ng	1767980	1	6.89	467651	20.0
Benzene, (1-methy...	10.89	42.1	ng	1892180	4	11.41	897814	20.0
Pentaethylene glycol	12.92	35.0	ng	926351	5	14.05	529006	20.0
Propanoic acid, 2...	13.83	48.4	ng	1280160	5	14.05	529006	20.0
3-Methylseleno-2-...	13.86	34.3	ng	906490	5	14.05	529006	20.0
unknown13.91	13.91	38.9	ng	1028590	5	14.05	529006	20.0
unknown14.14	14.14	31.6	ng	836228	5	14.05	529006	20.0
Butanamide, 2-hyd...	14.40	41.6	ng	1100530	5	14.05	529006	20.0
Triethylene glycol	14.67	71.1	ng	1880640	5	14.05	529006	20.0
Ethanol, 2-[2-(2-...	14.70	54.3	ng	1437070	5	14.05	529006	20.0
2,2-Dimethoxyprop...	14.75	48.6	ng	1285030	5	14.05	529006	20.0
Heptaethylene glycol	14.94	52.9	ng	2042830	6	15.54	772655	20.0
unknown15.29	15.29	31.3	ng	1208780	6	15.54	772655	20.0
Ethanol, 2-[2-(et...	15.63	52.2	ng	2016210	6	15.54	772655	20.0
unknown15.67	15.67	34.9	ng	1348780	6	15.54	772655	20.0
1,4,7,10,13-Penta...	15.75	32.0	ng	1235290	6	15.54	772655	20.0
unknown16.03	16.03	54.1	ng	2089930	6	15.54	772655	20.0
2-[2-[2-[2-[2-[2-...	16.51	31.9	ng	1232610	6	15.54	772655	20.0
4-Chloro-2-nitrot...	17.01	48.6	ng	1876960	6	15.54	772655	20.0