

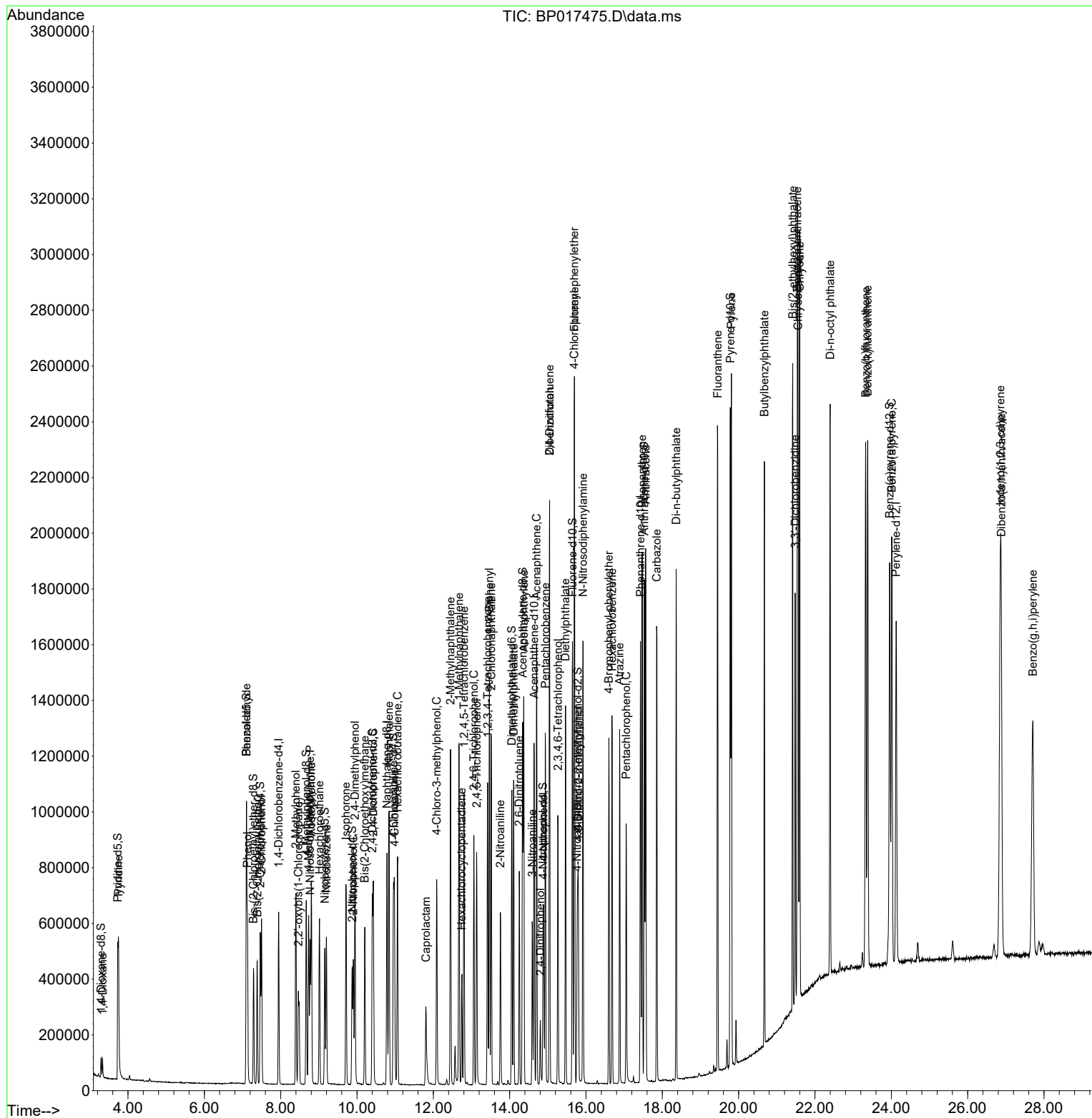
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092923\
Data File : BP017475.D
Acq On : 30 Sep 2023 09:10
Operator : MA/JU
Sample : SSTDCCC020EC
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTD020763

Quant Time: Oct 02 01:09:14 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP092023.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Sep 30 04:02:20 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/02/2023
Supervised By :mohammad ahmed 10/03/2023



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092923\
 Data File : BP017475.D
 Acq On : 30 Sep 2023 09:10
 Operator : MA/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTD020763

Quant Time: Oct 02 01:09:14 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP092023.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Sep 30 04:02:20 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/02/2023
 Supervised By :mohammad ahmed 10/03/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.946	152	162155	20.000	ng/u1	0.00
20) Naphthalene-d8	10.787	136	648399	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.640	164	398690	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.428	188	895153	20.000	ng/u1	0.00
79) Chrysene-d12	21.557	240	870225	20.000	ng/u1	0.00
88) Perylene-d12	24.127	264	958427	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.293	96	33905	8.588	ng/uL	0.00
4) Pyridine-d5	3.728	84	240033	21.749	ng/u1	0.00
7) Phenol-d5	7.105	99	298054	22.380	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.287	67	178998	22.271	ng/u1	0.00
11) 2-Chlorophenol-d4	7.463	132	243607	23.063	ng/u1	0.00
15) 4-Methylphenol-d8	8.669	113	239566	23.138	ng/u1	0.00
21) Nitrobenzene-d5	9.157	128	117398	25.045	ng/u1	0.00
24) 2-Nitrophenol-d4	9.875	143	130723	25.683	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.399	165	245247	25.504	ng/u1	0.00
31) 4-Chloroaniline-d4	10.957	131	338484	24.299	ng/u1	0.00
46) Dimethylphthalate-d6	14.057	166	689746	24.150	ng/u1	0.00
49) Acenaphthylene-d8	14.340	160	806019	24.537	ng/u1	0.00
54) 4-Nitrophenol-d4	14.875	143	105767	21.256	ng/u1	0.00
60) Fluorene-d10	15.645	176	607444	24.705	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.787	200	103082	20.431	ng/u1	0.00
73) Anthracene-d10	17.528	188	977480	24.621	ng/u1	0.00
81) Pyrene-d10	19.780	212	1158423	24.616	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.957	264	1102367	23.889	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.334	88	35654	8.819	ng/uL	91
5) Pyridine	3.752	79	250962	21.903	ng/u1	99
6) Benzaldehyde	7.105	77	168108	24.735	ng/u1	98
8) Phenol	7.128	94	303255	22.640	ng/u1	96
10) Bis(2-Chloroethyl)ether	7.387	93	240085	22.173	ng/u1	97
12) 2-Chlorophenol	7.499	128	247774	23.099	ng/u1	98
13) 2-Methylphenol	8.399	108	227146	22.917	ng/u1	96
14) 2,2'-oxybis(1-Chloropr...	8.463	45	308925m	22.559	ng/u1	
16) Acetophenone	8.805	105	368253	23.016	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.775	70	183608	22.994	ng/u1	99
18) 4-Methylphenol	8.734	108	242566	22.840	ng/u1	99
19) Hexachloroethane	9.016	117	104491	23.466	ng/u1	95
22) Nitrobenzene	9.199	77	289153	24.310	ng/u1	97
23) Isophorone	9.710	82	504671	23.678	ng/u1	98
25) 2-Nitrophenol	9.904	139	139062	25.213	ng/u1	99
26) 2,4-Dimethylphenol	9.946	107	268242	24.410	ng/u1	97
27) Bis(2-Chloroethoxy)met...	10.204	93	314328	22.845	ng/u1	98
29) 2,4-Dichlorophenol	10.428	162	242054	25.530	ng/u1	97
30) Naphthalene	10.840	128	792312	23.468	ng/u1	99
32) 4-Chloroaniline	10.981	127	327736	24.552	ng/u1	100
33) Hexachlorobutadiene	11.063	225	166816	25.281	ng/u1	99
34) Caprolactam	11.804	113	68834	25.127	ng/u1	96
35) 4-Chloro-3-methylphenol	12.087	107	246050	25.819	ng/u1	99
36) 2-Methylnaphthalene	12.451	142	529693	24.038	ng/u1	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092923\
 Data File : BP017475.D
 Acq On : 30 Sep 2023 09:10
 Operator : MA/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTD020763

Quant Time: Oct 02 01:09:14 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP092023.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Sep 30 04:02:20 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/02/2023
 Supervised By :mohammad ahmed 10/03/2023

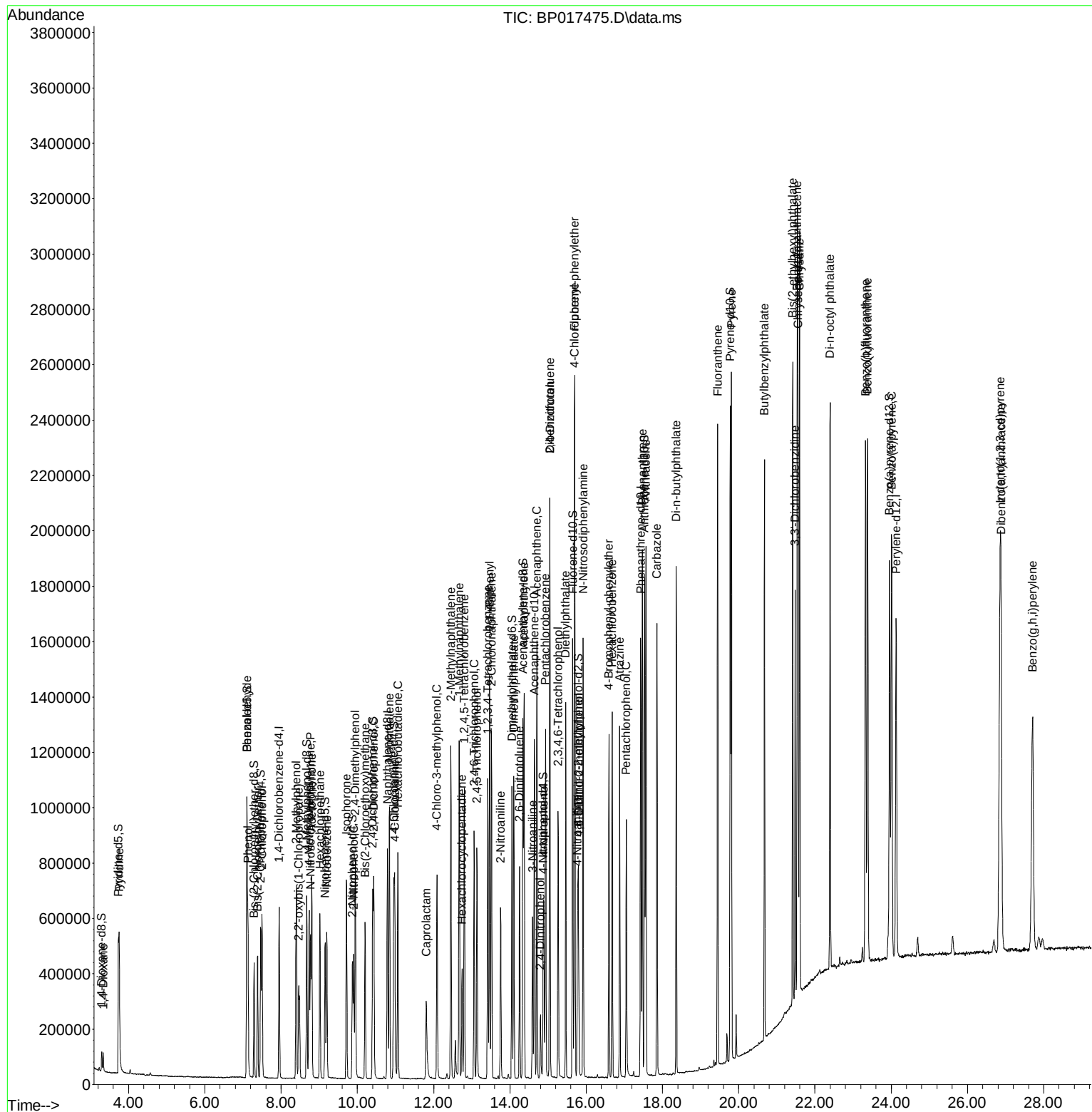
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.675	142	547359	24.300	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.804	216	307321	24.019	ng/ul	98
40) Hexachlorocyclopentadiene	12.745	237	102412	14.143	ng/ul	97
41) 2,4,6-Trichlorophenol	13.063	196	197768	25.482	ng/ul	100
42) 2,4,5-Trichlorophenol	13.134	196	209079	25.713	ng/ul	98
43) 1,1'-Biphenyl	13.469	154	707608	23.393	ng/ul	99
44) 2-Chloronaphthalene	13.516	162	570200	23.777	ng/ul	99
45) 2-Nitroaniline	13.757	65	157814	26.788	ng/ul	98
47) Dimethylphthalate	14.104	163	685217	23.817	ng/ul	98
48) 2,6-Dinitrotoluene	14.251	165	138168	27.650	ng/ul	97
50) Acenaphthylene	14.369	152	930143	24.215	ng/ul	99
51) 3-Nitroaniline	14.592	138	135899	25.271	ng/ul	100
52) Acenaphthene	14.704	153	602235	23.740	ng/ul	99
53) 2,4-Dinitrophenol	14.804	184	47660	15.247	ng/ul	95
55) 4-Nitrophenol	14.887	109	90667	23.324	ng/ul	95
56) Dibenzofuran	15.045	168	851031	24.497	ng/ul	99
57) 2,4-Dinitrotoluene	15.045	165	205401	27.905	ng/ul	95
58) 2,3,4,6-Tetrachlorophenol	15.263	232	185399	26.872	ng/ul	96
59) Diethylphthalate	15.463	149	690314	24.819	ng/ul	99
61) Fluorene	15.698	166	693428	24.568	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.692	204	359594	25.138	ng/ul	98
63) 4-Nitroaniline	15.769	138	128401	26.753	ng/ul	100
66) 4,6-Dinitro-2-methylph...	15.798	198	111723	20.527	ng/ul	96
67) N-Nitrosodiphenylamine	15.922	169	578880	23.510	ng/ul	99
68) 4-Bromophenyl-phenylether	16.598	248	221969	24.683	ng/ul	98
69) Hexachlorobenzene	16.681	284	260667	24.979	ng/ul	98
70) Atrazine	16.881	200	213928	24.251	ng/ul	99
71) Pentachlorophenol	17.051	266	151068	23.436	ng/ul	99
72) Phenanthrene	17.475	178	1114117	23.763	ng/ul	99
74) Anthracene	17.563	178	1149169	24.184	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.422	216	315639	22.975	ng/uL	97
76) Pentachlorobenzene	14.934	250	311147	23.975	ng/uL	98
77) Carbazole	17.851	167	1002114	23.710	ng/ul	99
78) Di-n-butylphthalate	18.363	149	1197441	25.765	ng/ul	99
80) Fluoranthene	19.451	202	1345114	24.509	ng/ul	98
82) Pyrene	19.810	202	1411341	24.190	ng/ul	99
83) Butylbenzylphthalate	20.674	149	550430	26.608	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.480	252	421781	22.308	ng/ul	99
85) Benzo(a)anthracene	21.539	228	1417223	24.130	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.416	149	805065	26.948	ng/ul#	98
87) Chrysene	21.598	228	1313955	23.772	ng/ul	99
89) Di-n-octyl phthalate	22.398	149	1389555	26.357	ng/ul	100
90) Benzo(b)fluoranthene	23.327	252	1346989	23.837	ng/ul	99
91) Benzo(k)fluoranthene	23.380	252	1371647	24.060	ng/ul	98
93) Benzo(a)pyrene	24.010	252	1282395	23.719	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.857	276	1529566	22.571	ng/ul	99
95) Dibenzo(a,h)anthracene	26.880	278	1258685	22.300	ng/ul	97
96) Benzo(g,h,i)perylene	27.709	276	1228800	22.485	ng/ul	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_P
ClientSampleId :
SSTD020763

Manual Integrations

Reviewed By :Yogesh Patel 10/02/2023
Supervised By :mohammad ahmed 10/03/2023



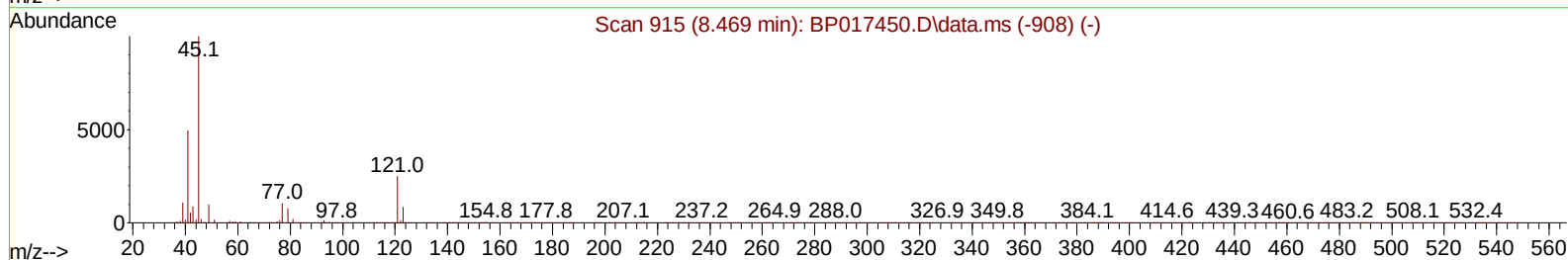
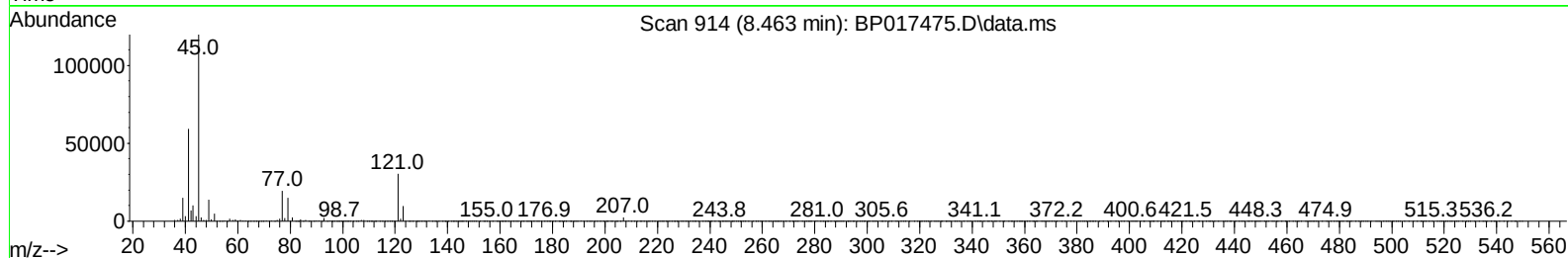
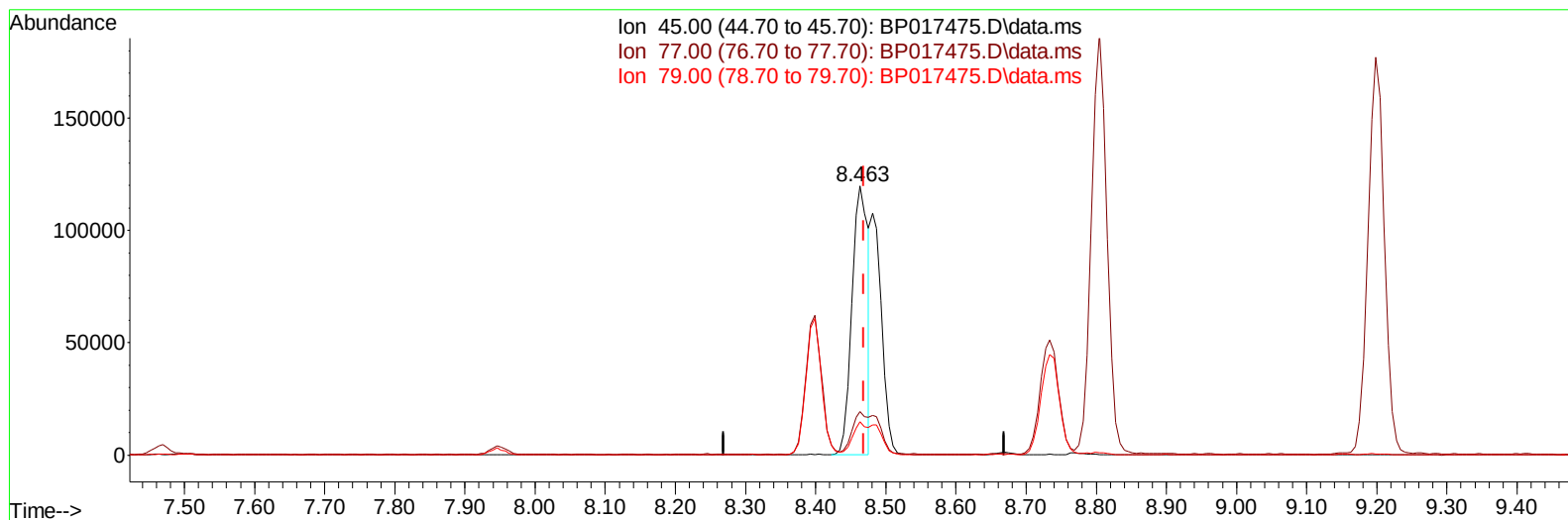
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092923\
 Data File : BP017475.D
 Acq On : 30 Sep 2023 09:10
 Operator : MA/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTD020763

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/02/2023
 Supervised By :mohammad ahmed 10/03/2023

Quant Time: Oct 02 00:57:39 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP092023.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Sep 30 04:02:20 2023
 Response via : Initial Calibration



TIC: BP017475.D\data.ms

(14) 2,2'-oxybis(1-Chloropropane)

8.463min (-0.006) 13.97 ng/ul

response 191312

Ion	Exp%	Act%
45.00	100.00	100.00
77.00	16.60	16.28
79.00	11.80	12.40
0.00	0.00	0.00

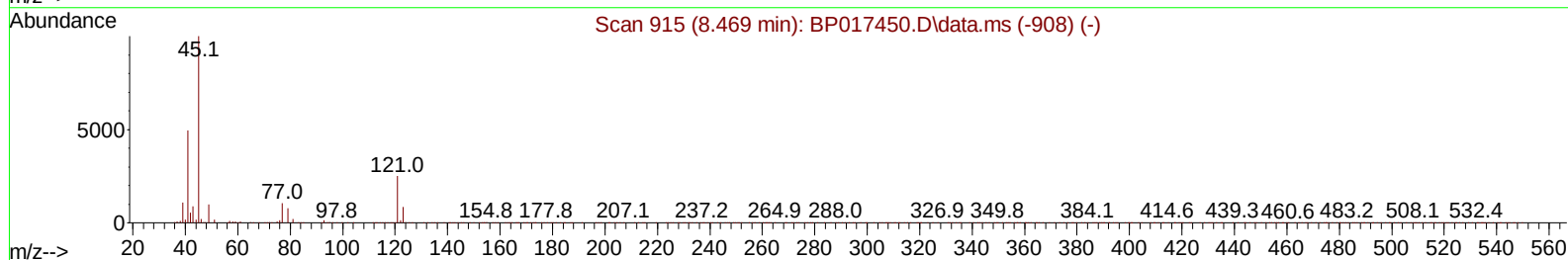
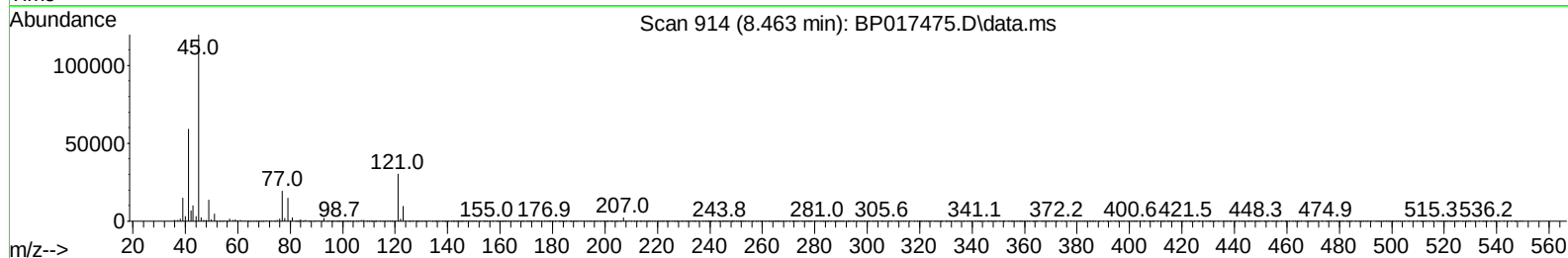
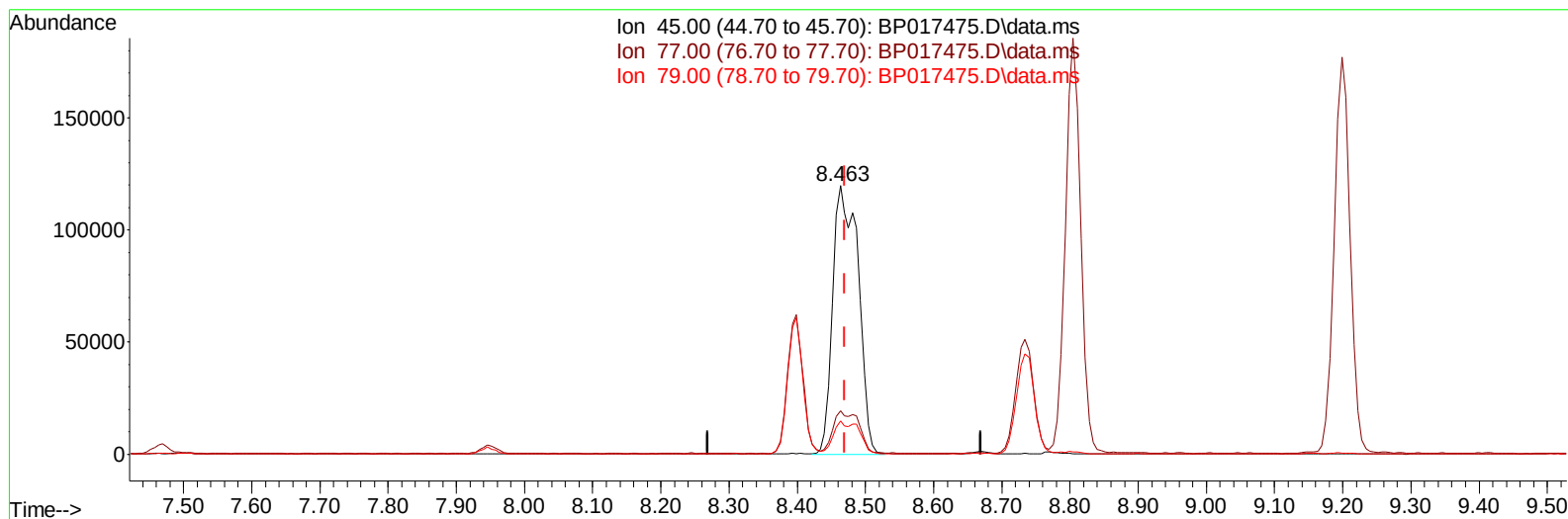
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092923\
 Data File : BP017475.D
 Acq On : 30 Sep 2023 09:10
 Operator : MA/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTD020763

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/02/2023
 Supervised By :mohammad ahmed 10/03/2023

Quant Time: Oct 02 00:57:39 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP092023.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Sep 30 04:02:20 2023
 Response via : Initial Calibration



TIC: BP017475.D\data.ms

(14) 2,2'-oxybis(1-Chloropropane)

8.463min (-0.006) 22.56 ng/ul m

response 308925

Ion	Exp%	Act%
45.00	100.00	100.00
77.00	16.60	16.28
79.00	11.80	12.40
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092923\
 Data File : BP017475.D
 Acq On : 30 Sep 2023 09:10
 Operator : MA/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTD020763

Quant Time: Oct 02 01:09:14 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP092023.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Sep 30 04:02:20 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/02/2023
 Supervised By :mohammad ahmed 10/03/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.946	152	162155	20.000	ng/ul	0.00
20) Naphthalene-d8	10.787	136	648399	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.640	164	398690	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.428	188	895153	20.000	ng/ul	0.00
79) Chrysene-d12	21.557	240	870225	20.000	ng/ul	0.00
88) Perylene-d12	24.127	264	958427	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.293	96	33905	8.588	ng/uL	0.00
4) Pyridine-d5	3.728	84	240033	21.749	ng/ul	0.00
7) Phenol-d5	7.105	99	298054	22.380	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.287	67	178998	22.271	ng/ul	0.00
11) 2-Chlorophenol-d4	7.463	132	243607	23.063	ng/ul	0.00
15) 4-Methylphenol-d8	8.669	113	239566	23.138	ng/ul	0.00
21) Nitrobenzene-d5	9.157	128	117398	25.045	ng/ul	0.00
24) 2-Nitrophenol-d4	9.875	143	130723	25.683	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.399	165	245247	25.504	ng/ul	0.00
31) 4-Chloroaniline-d4	10.957	131	338484	24.299	ng/ul	0.00
46) Dimethylphthalate-d6	14.057	166	689746	24.150	ng/ul	0.00
49) Acenaphthylene-d8	14.340	160	806019	24.537	ng/ul	0.00
54) 4-Nitrophenol-d4	14.875	143	105767	21.256	ng/ul	0.00
60) Fluorene-d10	15.645	176	607444	24.705	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.787	200	103082	20.431	ng/ul	0.00
73) Anthracene-d10	17.528	188	977480	24.621	ng/ul	0.00
81) Pyrene-d10	19.780	212	1158423	24.616	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.957	264	1102367	23.889	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.334	88	35654	8.819	ng/uL	91
5) Pyridine	3.752	79	250962	21.903	ng/ul	99
6) Benzaldehyde	7.105	77	168108	24.735	ng/ul	98
8) Phenol	7.128	94	303255	22.640	ng/ul	96
10) Bis(2-Chloroethyl)ether	7.387	93	240085	22.173	ng/ul	97
12) 2-Chlorophenol	7.499	128	247774	23.099	ng/ul	98
13) 2-Methylphenol	8.399	108	227146	22.917	ng/ul	96
14) 2,2'-oxybis(1-Chloropr...	8.463	45	308925m	22.559	ng/ul	
16) Acetophenone	8.805	105	368253	23.016	ng/ul	98
17) N-Nitroso-di-n-propyla...	8.775	70	183608	22.994	ng/ul	99
18) 4-Methylphenol	8.734	108	242566	22.840	ng/ul	99
19) Hexachloroethane	9.016	117	104491	23.466	ng/ul	95
22) Nitrobenzene	9.199	77	289153	24.310	ng/ul	97
23) Isophorone	9.710	82	504671	23.678	ng/ul	98
25) 2-Nitrophenol	9.904	139	139062	25.213	ng/ul	99
26) 2,4-Dimethylphenol	9.946	107	268242	24.410	ng/ul	97
27) Bis(2-Chloroethoxy)met...	10.204	93	314328	22.845	ng/ul	98
29) 2,4-Dichlorophenol	10.428	162	242054	25.530	ng/ul	97
30) Naphthalene	10.840	128	792312	23.468	ng/ul	99
32) 4-Chloroaniline	10.981	127	327736	24.552	ng/ul	100
33) Hexachlorobutadiene	11.063	225	166816	25.281	ng/ul	99
34) Caprolactam	11.804	113	68834	25.127	ng/ul	96
35) 4-Chloro-3-methylphenol	12.087	107	246050	25.819	ng/ul	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092923\
 Data File : BP017475.D
 Acq On : 30 Sep 2023 09:10
 Operator : MA/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTD020763

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/02/2023
 Supervised By :mohammad ahmed 10/03/2023

Quant Time: Oct 02 01:09:14 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP092023.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Sep 30 04:02:20 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 2-Methylnaphthalene	12.451	142	529693	24.038	ng/ul	99
37) 1-Methylnaphthalene	12.675	142	547359	24.300	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.804	216	307321	24.019	ng/ul	98
40) Hexachlorocyclopentadiene	12.745	237	102412	14.143	ng/ul	97
41) 2,4,6-Trichlorophenol	13.063	196	197768	25.482	ng/ul	100
42) 2,4,5-Trichlorophenol	13.134	196	209079	25.713	ng/ul	98
43) 1,1'-Biphenyl	13.469	154	707608	23.393	ng/ul	99
44) 2-Chloronaphthalene	13.516	162	570200	23.777	ng/ul	99
45) 2-Nitroaniline	13.757	65	157814	26.788	ng/ul	98
47) Dimethylphthalate	14.104	163	685217	23.817	ng/ul	98
48) 2,6-Dinitrotoluene	14.251	165	138168	27.650	ng/ul	97
50) Acenaphthylene	14.369	152	930143	24.215	ng/ul	99
51) 3-Nitroaniline	14.592	138	135899	25.271	ng/ul	100
52) Acenaphthene	14.704	153	602235	23.740	ng/ul	99
53) 2,4-Dinitrophenol	14.804	184	47660	15.247	ng/ul	95
55) 4-Nitrophenol	14.887	109	90667	23.324	ng/ul	95
56) Dibenzofuran	15.045	168	851031	24.497	ng/ul	99
57) 2,4-Dinitrotoluene	15.045	165	205401	27.905	ng/ul	95
58) 2,3,4,6-Tetrachlorophenol	15.263	232	185399	26.872	ng/ul	96
59) Diethylphthalate	15.463	149	690314	24.819	ng/ul	99
61) Fluorene	15.698	166	693428	24.568	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.692	204	359594	25.138	ng/ul	98
63) 4-Nitroaniline	15.769	138	128401	26.753	ng/ul	100
66) 4,6-Dinitro-2-methylph...	15.798	198	111723	20.527	ng/ul	96
67) N-Nitrosodiphenylamine	15.922	169	578880	23.510	ng/ul	99
68) 4-Bromophenyl-phenylether	16.598	248	221969	24.683	ng/ul	98
69) Hexachlorobenzene	16.681	284	260667	24.979	ng/ul	98
70) Atrazine	16.881	200	213928	24.251	ng/ul	99
71) Pentachlorophenol	17.051	266	151068	23.436	ng/ul	99
72) Phenanthrene	17.475	178	1114117	23.763	ng/ul	99
74) Anthracene	17.563	178	1149169	24.184	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.422	216	315639	22.975	ng/uL	97
76) Pentachlorobenzene	14.934	250	311147	23.975	ng/uL	98
77) Carbazole	17.851	167	1002114	23.710	ng/ul	99
78) Di-n-butylphthalate	18.363	149	1197441	25.765	ng/ul	99
80) Fluoranthene	19.451	202	1345114	24.509	ng/ul	98
82) Pyrene	19.810	202	1411341	24.190	ng/ul	99
83) Butylbenzylphthalate	20.674	149	550430	26.608	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.480	252	421781	22.308	ng/ul	99
85) Benzo(a)anthracene	21.539	228	1417223	24.130	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.416	149	805065	26.948	ng/ul#	98
87) Chrysene	21.598	228	1313955	23.772	ng/ul	99
89) Di-n-octyl phthalate	22.398	149	1389555	26.357	ng/ul	100
90) Benzo(b)fluoranthene	23.327	252	1346989	23.837	ng/ul	99
91) Benzo(k)fluoranthene	23.380	252	1371647	24.060	ng/ul	98
93) Benzo(a)pyrene	24.010	252	1282395	23.719	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.857	276	1529566	22.571	ng/ul	99
95) Dibenzo(a,h)anthracene	26.880	278	1258685	22.300	ng/ul	97
96) Benzo(g,h,i)perylene	27.709	276	1228800	22.485	ng/ul	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed