

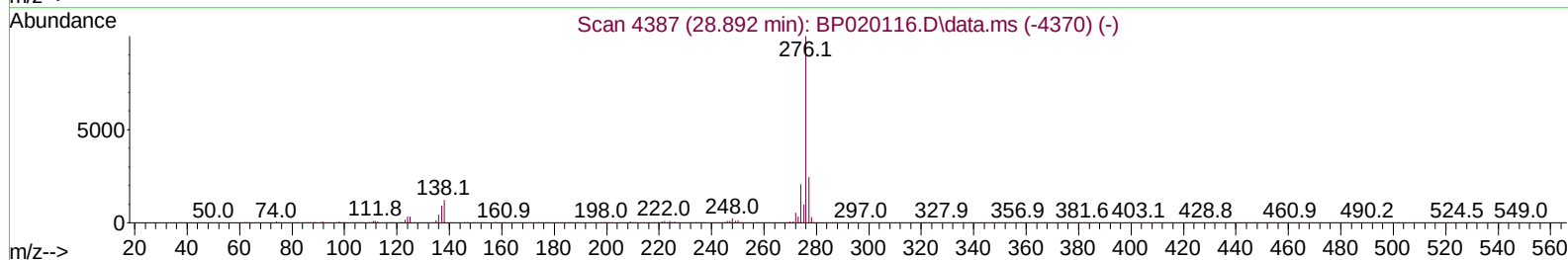
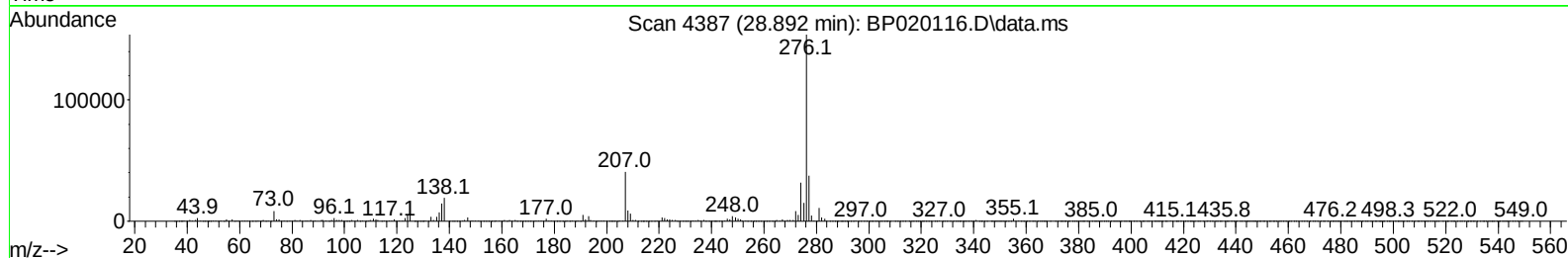
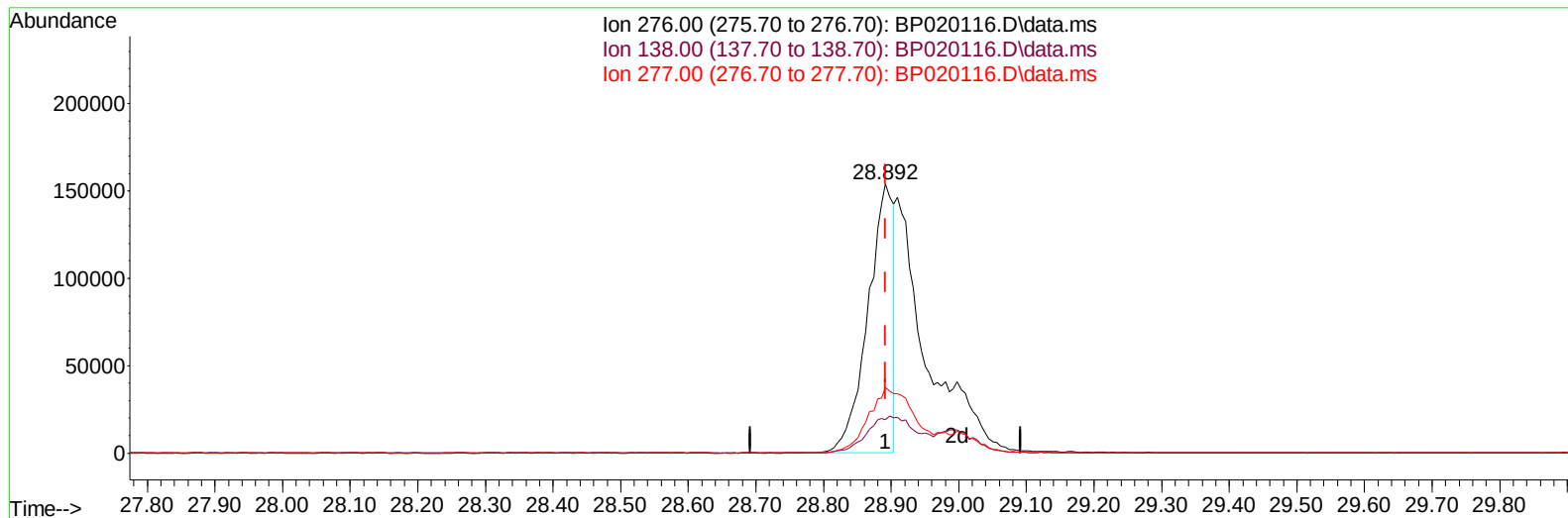
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042424\
Data File : BP020116.D
Acq On : 24 Apr 2024 12:45
Operator : MA/JU
Sample : SSTD02003
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTD020625

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024

Quant Time: Apr 24 13:44:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP042424.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Apr 24 13:42:18 2024
Response via : Initial Calibration



TIC: BP020116.D\data.ms

(94) Indeno(1,2,3-cd)pyrene

28.892min (0.000) 9.87 ng/u1

response 406188

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	12.40	12.44
277.00	24.50	24.46
0.00	0.00	0.00

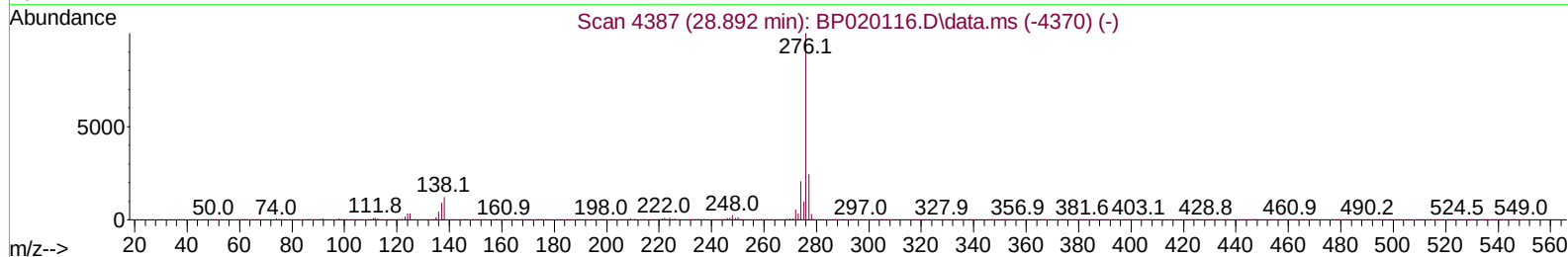
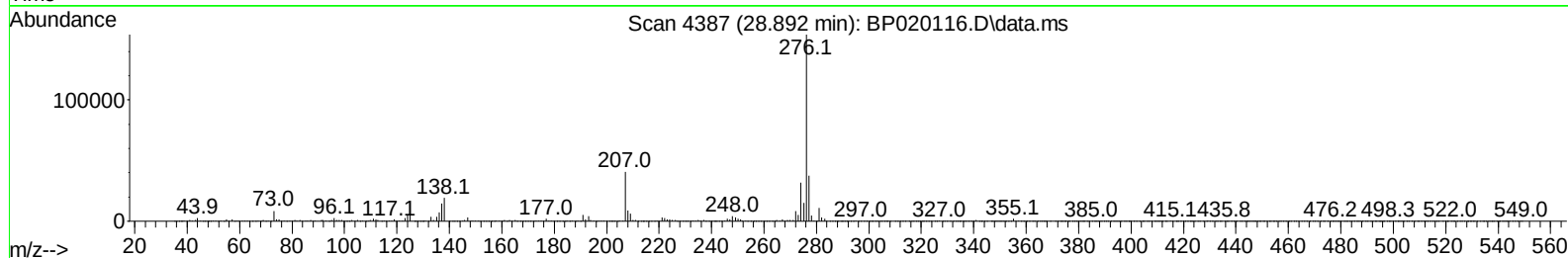
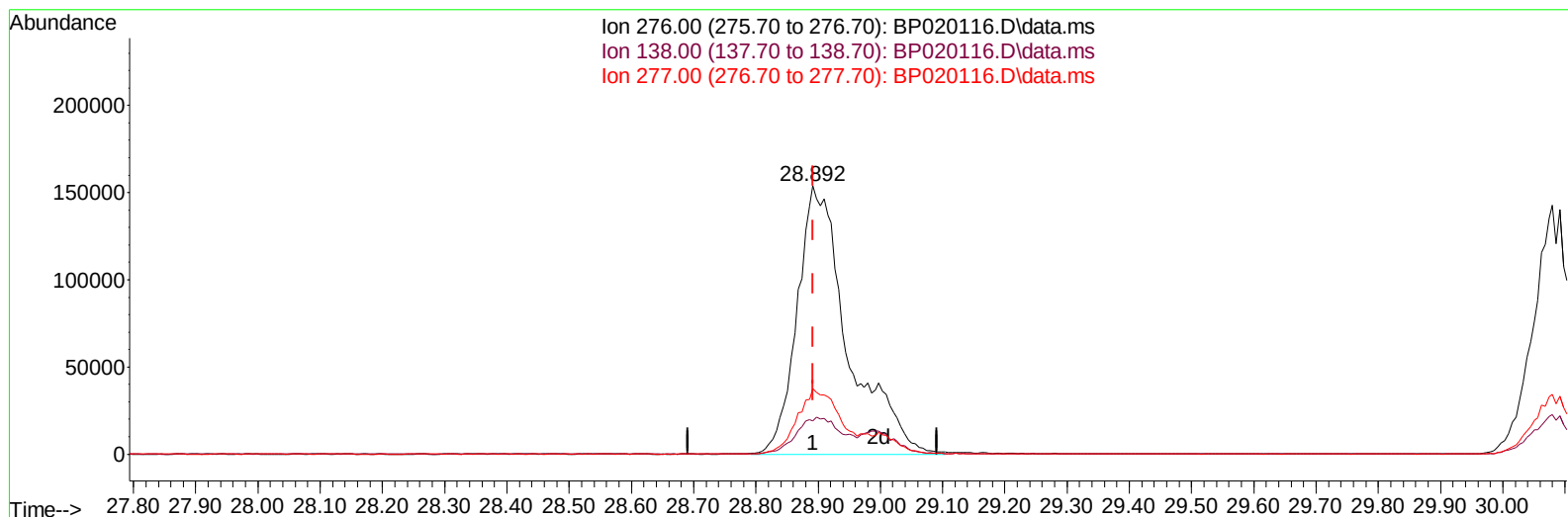
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042424\
Data File : BP020116.D
Acq On : 24 Apr 2024 12:45
Operator : MA/JU
Sample : SSTD02003
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTD020625

Manual IntegrationsAPPROVED

Quant Time: Apr 24 13:44:19 2024
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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



TIC: BP020116.D\data.ms

(94) Indeno(1,2,3-cd)pyrene

28.892min (0.000) 21.19 ng/ul m

response 872443

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	12.40	12.44
277.00	24.50	24.46
0.00	0.00	0.00

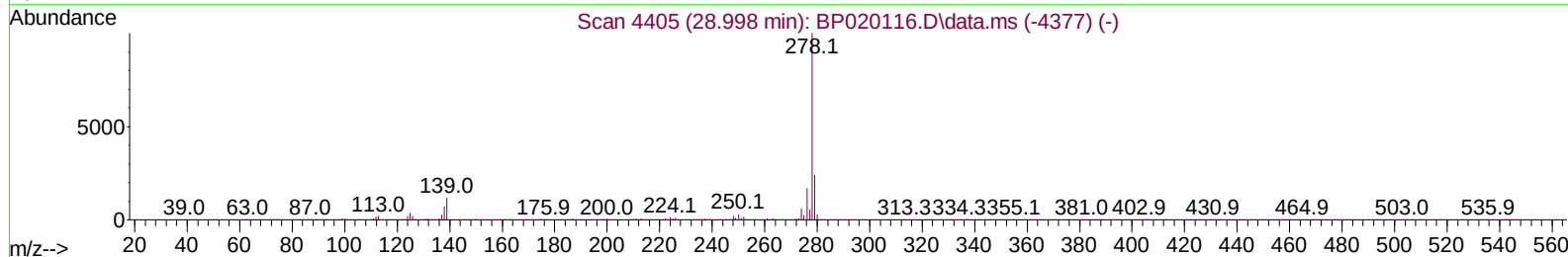
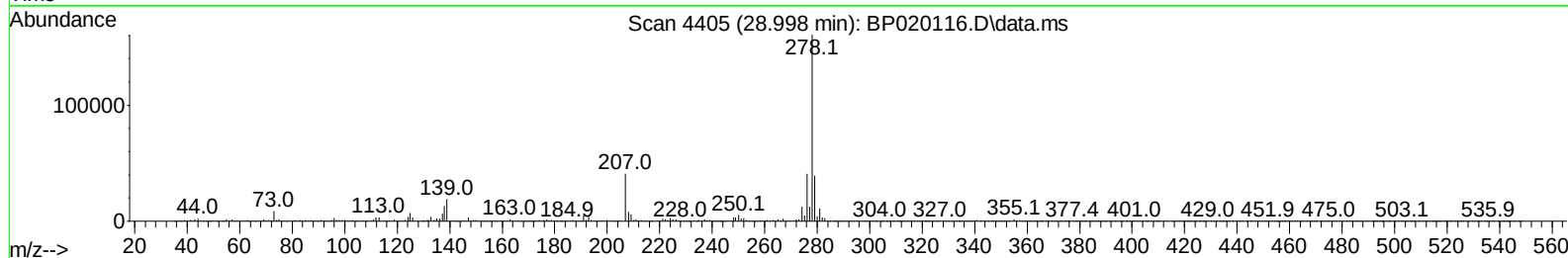
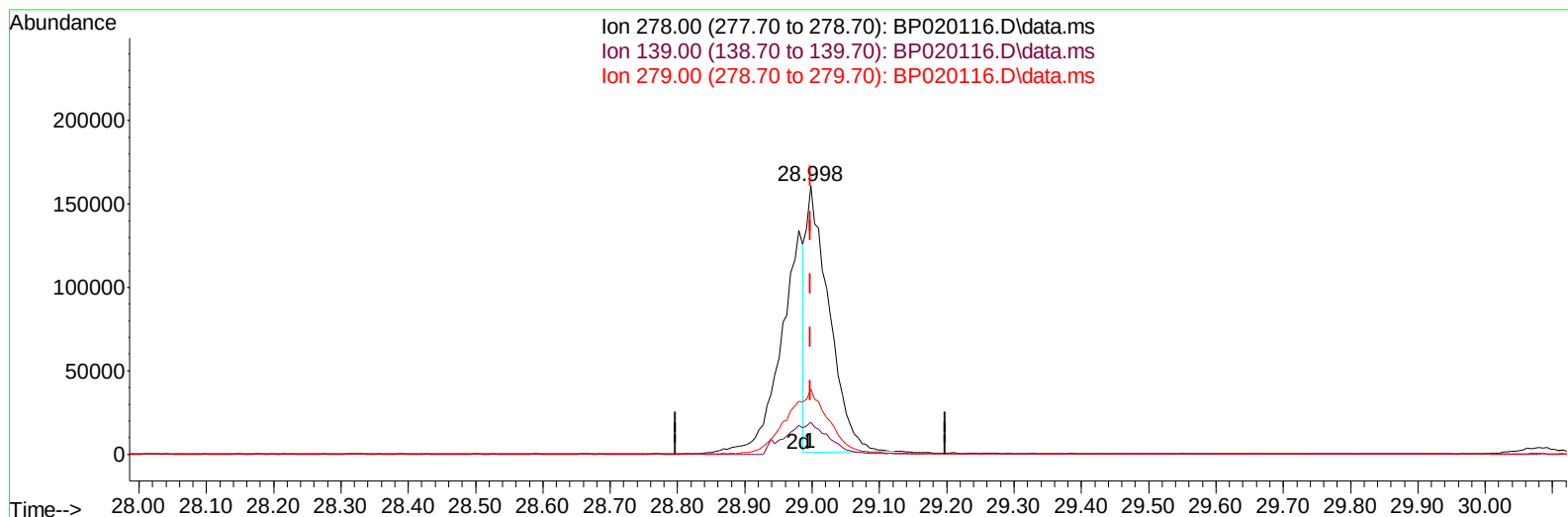
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042424\
Data File : BP020116.D
Acq On : 24 Apr 2024 12:45
Operator : MA/JU
Sample : SSTD02003
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
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Manual IntegrationsAPPROVED

Quant Time: Apr 24 13:44:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP042424.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Apr 24 13:42:18 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



TIC: BP020116.D\data.ms

(95) Dibenzo(a,h)anthracene

28.998min (0.000) 11.25 ng/u1

response 380381

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	11.80	11.84
279.00	24.30	24.27
0.00	0.00	0.00

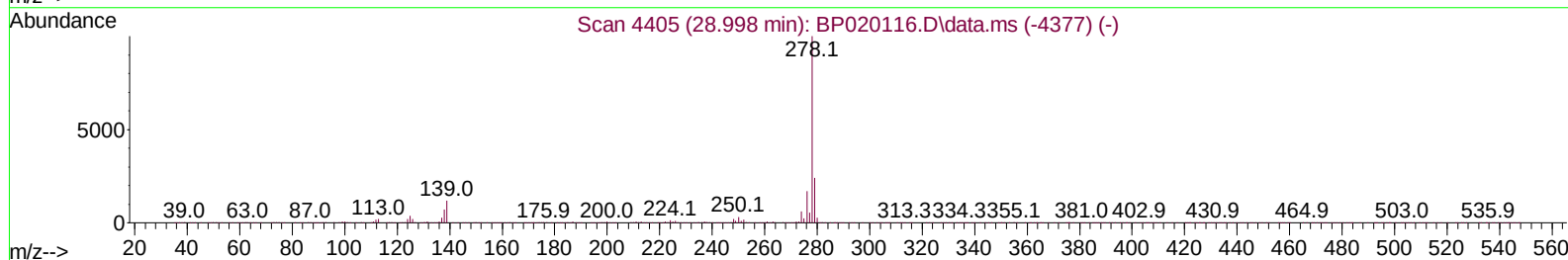
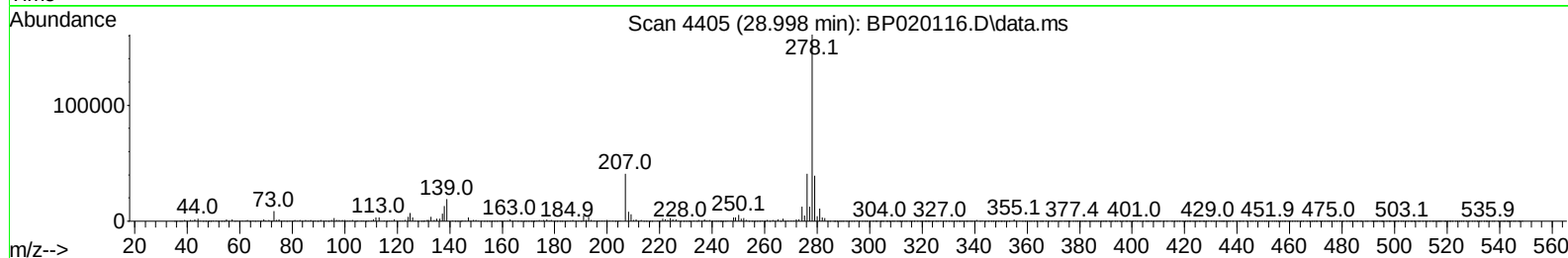
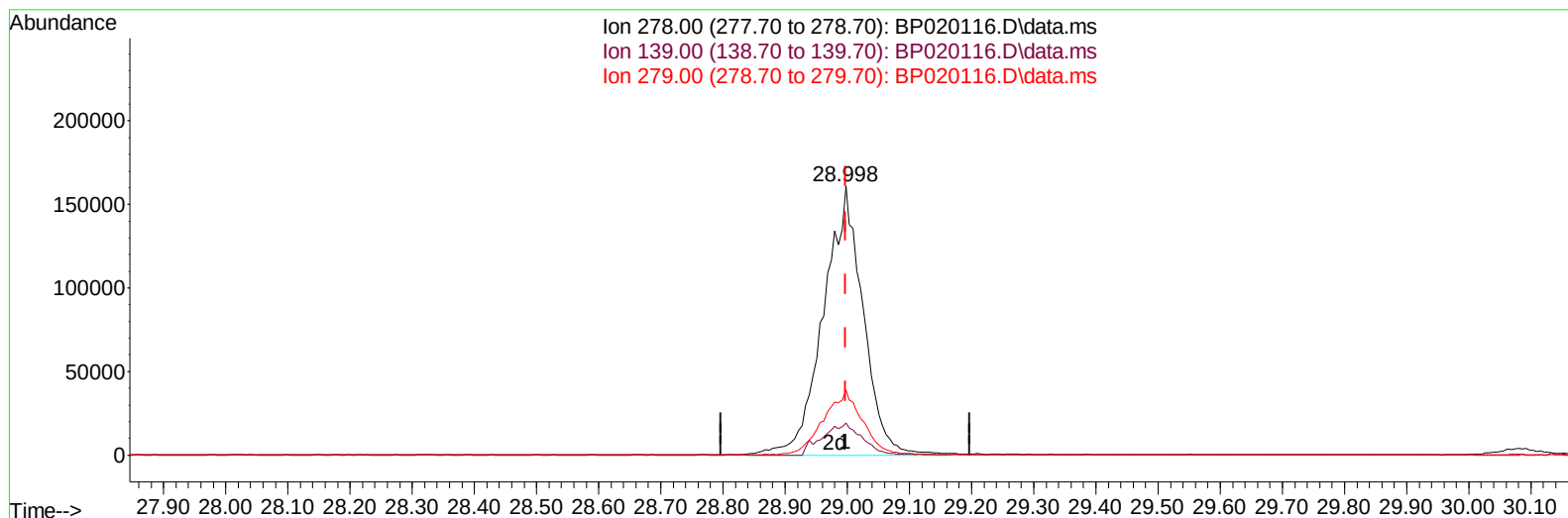
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042424\
 Data File : BP020116.D
 Acq On : 24 Apr 2024 12:45
 Operator : MA/JU
 Sample : SSTD02003
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTD020625

Manual IntegrationsAPPROVED

Quant Time: Apr 24 13:44:19 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP042424.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Apr 24 13:42:18 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 04/26/2024
 Supervised By :mohammad ahmed 04/27/2024



TIC: BP020116.D\data.ms

(95) Dibenzo(a,h)anthracene

28.998min (0.000) 21.09 ng/ul m

response 713176

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	11.80	11.84
279.00	24.30	24.27
0.00	0.00	0.00

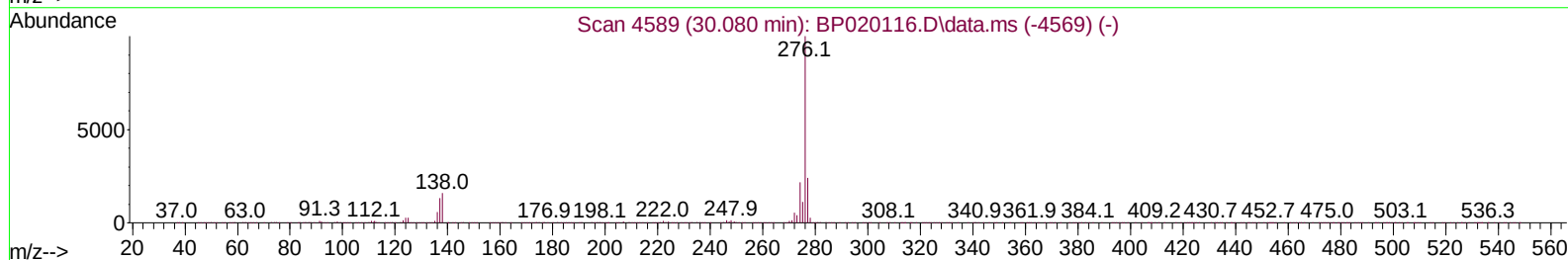
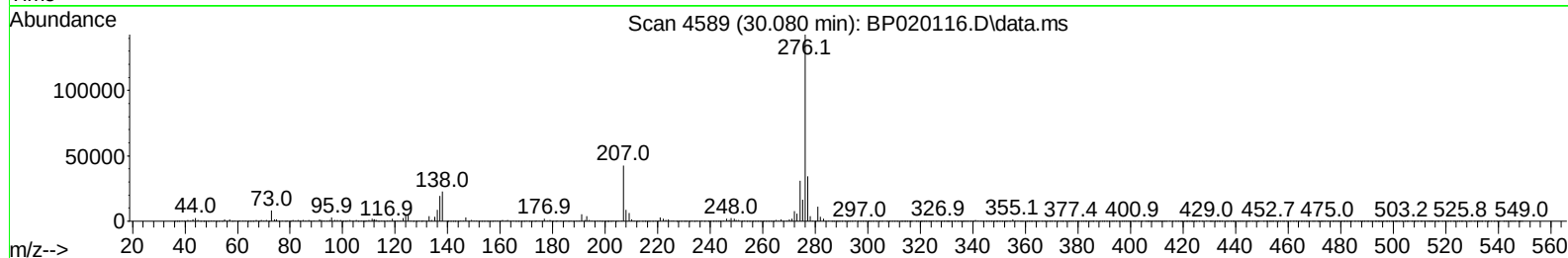
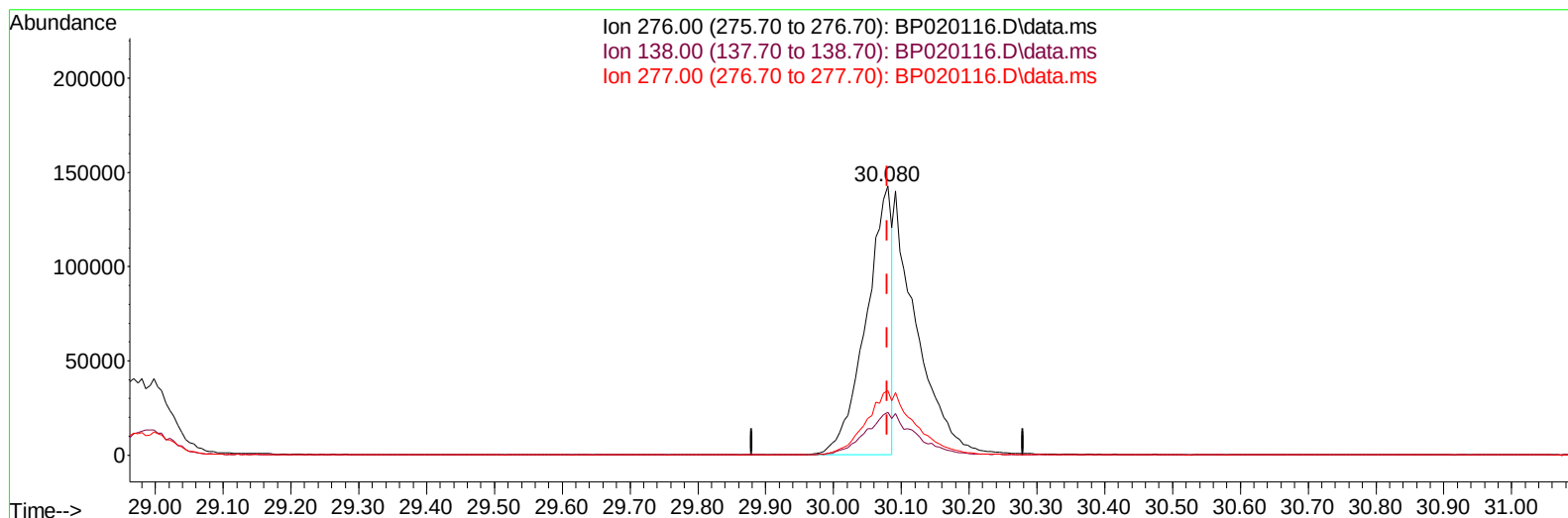
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042424\
Data File : BP020116.D
Acq On : 24 Apr 2024 12:45
Operator : MA/JU
Sample : SSTD02003
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
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Manual IntegrationsAPPROVED

Quant Time: Apr 24 13:44:19 2024
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Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



TIC: BP020116.D\data.ms

(96) Benzo(g,h,i)perylene

30.080min (0.000) 11.41 ng/u1

response 374748

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	16.00	16.01
277.00	23.90	23.93
0.00	0.00	0.00

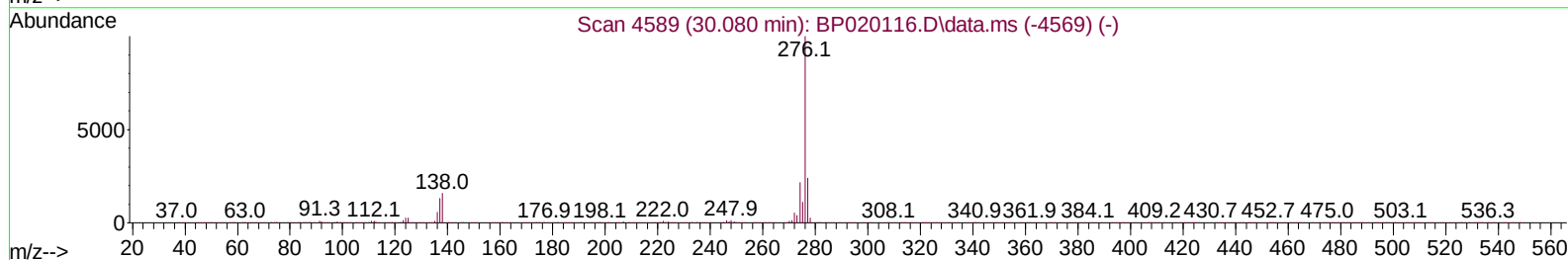
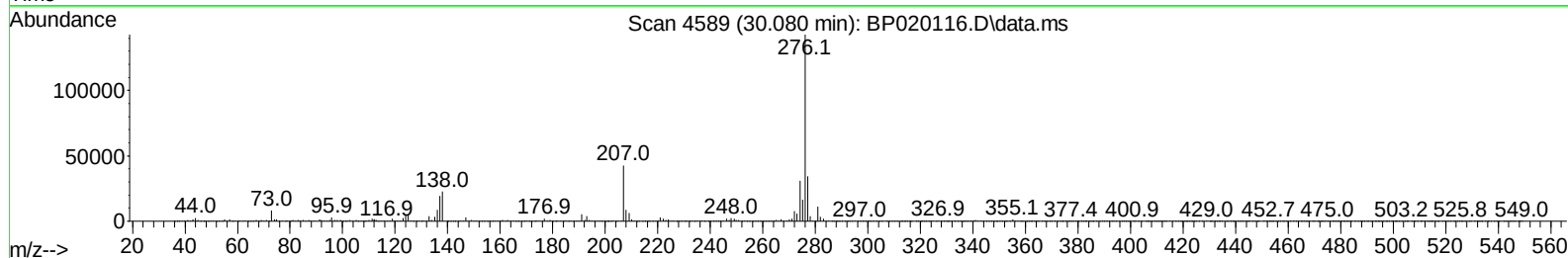
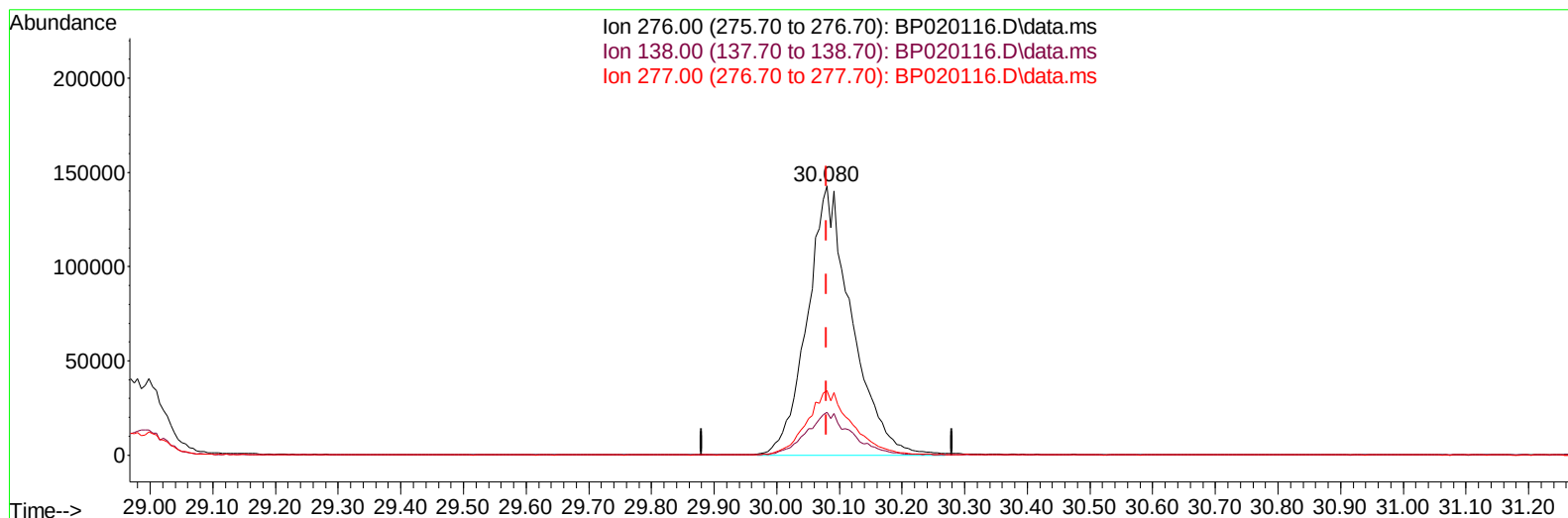
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042424\
Data File : BP020116.D
Acq On : 24 Apr 2024 12:45
Operator : MA/JU
Sample : SSTD02003
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTD020625

Manual IntegrationsAPPROVED

Quant Time: Apr 24 13:44:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP042424.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Apr 24 13:42:18 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



TIC: BP020116.D\data.ms

(96) Benzo(g,h,i)perylene

30.080min (0.000) 21.42 ng/ul m

response 703862

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	16.00	16.01
277.00	23.90	23.93
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042424\
 Data File : BP020116.D
 Acq On : 24 Apr 2024 12:45
 Operator : MA/JU
 Sample : SST002003
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SST0020625

Manual IntegrationsAPPROVED

Quant Time: Apr 24 13:46:29 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP042424.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Apr 24 13:42:18 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 04/26/2024
 Supervised By :mohammad ahmed 04/27/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.634	152	86937	20.000	ng/ul	0.00
20) Naphthalene-d8	10.405	136	335163	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.316	164	218684	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.157	188	489506	20.000	ng/ul	0.00
79) Chrysene-d12	21.663	240	515781	20.000	ng/ul	0.00
88) Perylene-d12	25.057	264	604848	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.228	96	17716	9.113	ng/uL	0.00
4) Pyridine-d5	3.628	84	122743	21.295	ng/ul	0.00
7) Phenol-d5	6.816	99	148905	20.394	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	6.987	67	99196	20.804	ng/ul	0.00
11) 2-Chlorophenol-d4	7.169	132	108177	20.536	ng/ul	0.00
15) 4-Methylphenol-d8	8.340	113	112817	20.101	ng/ul	0.00
21) Nitrobenzene-d5	8.787	128	53689	21.313	ng/ul	0.00
24) 2-Nitrophenol-d4	9.499	143	60486	20.884	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.040	165	113574	21.256	ng/ul	0.00
31) 4-Chloroaniline-d4	10.563	131	144386	21.728	ng/ul	0.00
46) Dimethylphthalate-d6	13.722	166	320504	20.811	ng/ul	0.00
49) Acenaphthylene-d8	13.998	160	375284	20.852	ng/ul	0.00
54) 4-Nitrophenol-d4	14.569	143	46454	20.481	ng/ul	0.00
60) Fluorene-d10	15.340	176	277120	21.028	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.492	200	60595	23.852	ng/ul	0.00
73) Anthracene-d10	17.257	188	446055	20.626	ng/ul	0.00
81) Pyrene-d10	19.663	212	562126	19.501	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.821	264	612074	20.790	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.264	88	19551	8.801	ng/uL	100
5) Pyridine	3.652	79	126414	21.475	ng/ul	100
6) Benzaldehyde	6.805	77	103940	24.982	ng/ul	100
8) Phenol	6.846	94	155782	20.396	ng/ul	100
10) Bis(2-Chloroethyl)ether	7.075	93	124235	20.405	ng/ul	100
12) 2-Chlorophenol	7.199	128	113379	20.664	ng/ul	100
13) 2-Methylphenol	8.075	108	112460	20.321	ng/ul	100
14) 2,2'-oxybis(1-Chloropr...	8.152	45	171205	20.233	ng/ul	100
16) Acetophenone	8.458	105	191090	20.702	ng/ul	100
17) N-Nitroso-di-n-propyla...	8.434	70	107125	20.444	ng/ul	100
18) 4-Methylphenol	8.405	108	120489	20.433	ng/ul	100
19) Hexachloroethane	8.681	117	53820	20.252	ng/ul	100
22) Nitrobenzene	8.834	77	165271	21.461	ng/ul	100
23) Isophorone	9.352	82	290079	20.937	ng/ul	100
25) 2-Nitrophenol	9.534	139	64394	21.303	ng/ul	100
26) 2,4-Dimethylphenol	9.599	107	135469	20.723	ng/ul	100
27) Bis(2-Chloroethoxy)met...	9.834	93	163337	20.649	ng/ul	100
29) 2,4-Dichlorophenol	10.069	162	110553	21.066	ng/ul	100
30) Naphthalene	10.452	128	362020	20.799	ng/ul	100
32) 4-Chloroaniline	10.587	127	142093	21.789	ng/ul	100
33) Hexachlorobutadiene	10.716	225	89706	20.239	ng/ul	100
34) Caprolactam	11.387	113	35033	23.060	ng/ul	100
35) 4-Chloro-3-methylphenol	11.722	107	128680	21.693	ng/ul	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042424\
 Data File : BP020116.D
 Acq On : 24 Apr 2024 12:45
 Operator : MA/JU
 Sample : SST002003
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SST0020625

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/26/2024
 Supervised By :mohammad ahmed 04/27/2024

Quant Time: Apr 24 13:46:29 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP042424.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Apr 24 13:42:18 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 2-Methylnaphthalene	12.081	142	239893	20.948	ng/ul	100
37) 1-Methylnaphthalene	12.304	142	239320	21.031	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.457	216	155019	20.143	ng/ul	100
40) Hexachlorocyclopentadiene	12.416	237	73172	23.570	ng/ul	100
41) 2,4,6-Trichlorophenol	12.716	196	93312	20.297	ng/ul	100
42) 2,4,5-Trichlorophenol	12.799	196	99222	20.726	ng/ul	100
43) 1,1'-Biphenyl	13.122	154	321188	20.171	ng/ul	100
44) 2-Chloronaphthalene	13.163	162	259543	20.194	ng/ul	100
45) 2-Nitroaniline	13.393	65	93667	21.952	ng/ul	100
47) Dimethylphthalate	13.769	163	327617	20.811	ng/ul	100
48) 2,6-Dinitrotoluene	13.904	165	67808	21.579	ng/ul	100
50) Acenaphthylene	14.028	152	417942	20.809	ng/ul	100
51) 3-Nitroaniline	14.245	138	64028	20.975	ng/ul	100
52) Acenaphthene	14.375	153	270870	20.598	ng/ul	100
53) 2,4-Dinitrophenol	14.475	184	37745	25.514	ng/ul	100
55) 4-Nitrophenol	14.581	109	50784	21.302	ng/ul	100
56) Dibenzofuran	14.722	168	382796	21.002	ng/ul	100
57) 2,4-Dinitrotoluene	14.722	165	97052	21.932	ng/ul	100
58) 2,3,4,6-Tetrachlorophenol	14.963	232	90661	21.384	ng/ul	100
59) Diethylphthalate	15.175	149	330086	21.424	ng/ul	100
61) Fluorene	15.392	166	315508	21.089	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.392	204	170041	20.826	ng/ul	100
63) 4-Nitroaniline	15.451	138	56215	19.848	ng/ul	100
66) 4,6-Dinitro-2-methylph...	15.504	198	65327	24.381	ng/ul	100
67) N-Nitrosodiphenylamine	15.616	169	263376	20.487	ng/ul	100
68) 4-Bromophenyl-phenylether	16.322	248	106314	20.005	ng/ul	100
69) Hexachlorobenzene	16.422	284	123518	20.476	ng/ul	100
70) Atrazine	16.616	200	105814	21.206	ng/ul	100
71) Pentachlorophenol	16.792	266	72453	19.403	ng/ul	100
72) Phenanthrene	17.198	178	518081	20.685	ng/ul	100
74) Anthracene	17.292	178	527599	20.746	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.081	216	150313	18.948	ng/uL	100
76) Pentachlorobenzene	14.634	250	142264	19.503	ng/uL	100
77) Carbazole	17.586	167	470044	20.980	ng/ul	100
78) Di-n-butylphthalate	18.192	149	557427	20.676	ng/ul	100
80) Fluoranthene	19.310	202	661122	19.659	ng/ul	100
82) Pyrene	19.692	202	686974	19.667	ng/ul	100
83) Butylbenzylphthalate	20.669	149	278515	19.728	ng/ul	100
84) 3,3'-Dichlorobenzidine	21.569	252	254221	25.379	ng/ul	100
85) Benzo(a)anthracene	21.639	228	749064	20.968	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.586	149	397623	19.285	ng/ul	100
87) Chrysene	21.704	228	682613	20.743	ng/ul	100
89) Di-n-octyl phthalate	22.892	149	727861	19.451	ng/ul	100
90) Benzo(b)fluoranthene	23.968	252	738572	20.360	ng/ul	100
91) Benzo(k)fluoranthene	24.051	252	750117	20.806	ng/ul	100
93) Benzo(a)pyrene	24.886	252	712887	20.782	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	28.892	276	872443m	21.193	ng/ul	
95) Dibenzo(a,h)anthracene	28.998	278	713176m	21.092	ng/ul	
96) Benzo(g,h,i)perylene	30.080	276	703862m	21.424	ng/ul	

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

Instrument :

BNA_P

ClientSampleId :

SSTD020625

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/26/2024

Supervised By :mohammad ahmed 04/27/2024

