Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121721\
Data File : BP008471.D
Acq On : 17 Dec 2021 15:04
Operator : CG/JU
Sample : M4873-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
A2-5-6.5

Quant Time: Dec 18 06:52:12 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 18 06:49:58 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.734	152	56880	20.000	ng		0.00
21) Naphthalene-d8	10.534	136	215481	20.000	ng	#	0.01
39) Acenaphthene-d10	14.392	164	158205	20.000	ng		0.00
64) Phenanthrene-d10	17.157	188	286454	20.000	ng		0.00
76) Chrysene-d12	21.263	240	308531	20.000	ng		0.00
86) Perylene-d12	23.627	264	342355	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.334	112	314549	87.333	ng		0.00
7) Phenol-d6	6.934	99	437060	90.351	ng		0.00
23) Nitrobenzene-d5	8.905	82	311056	61.155	ng		0.00
42) 2,4,6-Tribromophenol	15.898	330	163662	70.394	ng		0.00
45) 2-Fluorobiphenyl	13.004	172	645881	51.897	ng		0.00
79) Terphenyl-d14	19.727	244	1027138	57.940	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	10.593	128	4418598	391.031	ng		97
37) 2-Methylnaphthalene	12.222	142	4467952	573.685	ng		98
38) 1-Methylnaphthalene	12.434	142	2232078	294.379	ng		99
46) 1,1'-Biphenyl	13.222	154	375916	30.755	ng		98
52) Acenaphthene	14.457	154	90231	10.585	ng		88
55) Dibenzofuran	14.798	168	165452	11.409	ng	#	6
57) 2,4-Dinitrotoluene	14.798	165	50067	14.987	ng	#	58
58) Fluorene	15.445	166	242378	21.559	ng	#	87
66) n-Nitrosodiphenylamine	15.663	169	350138	38.823	ng	#	52
71) Phenanthrene	17.198	178	721511	46.498	ng		97
78) Pyrene	19.533	202	94223	4.268	ng	#	93

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

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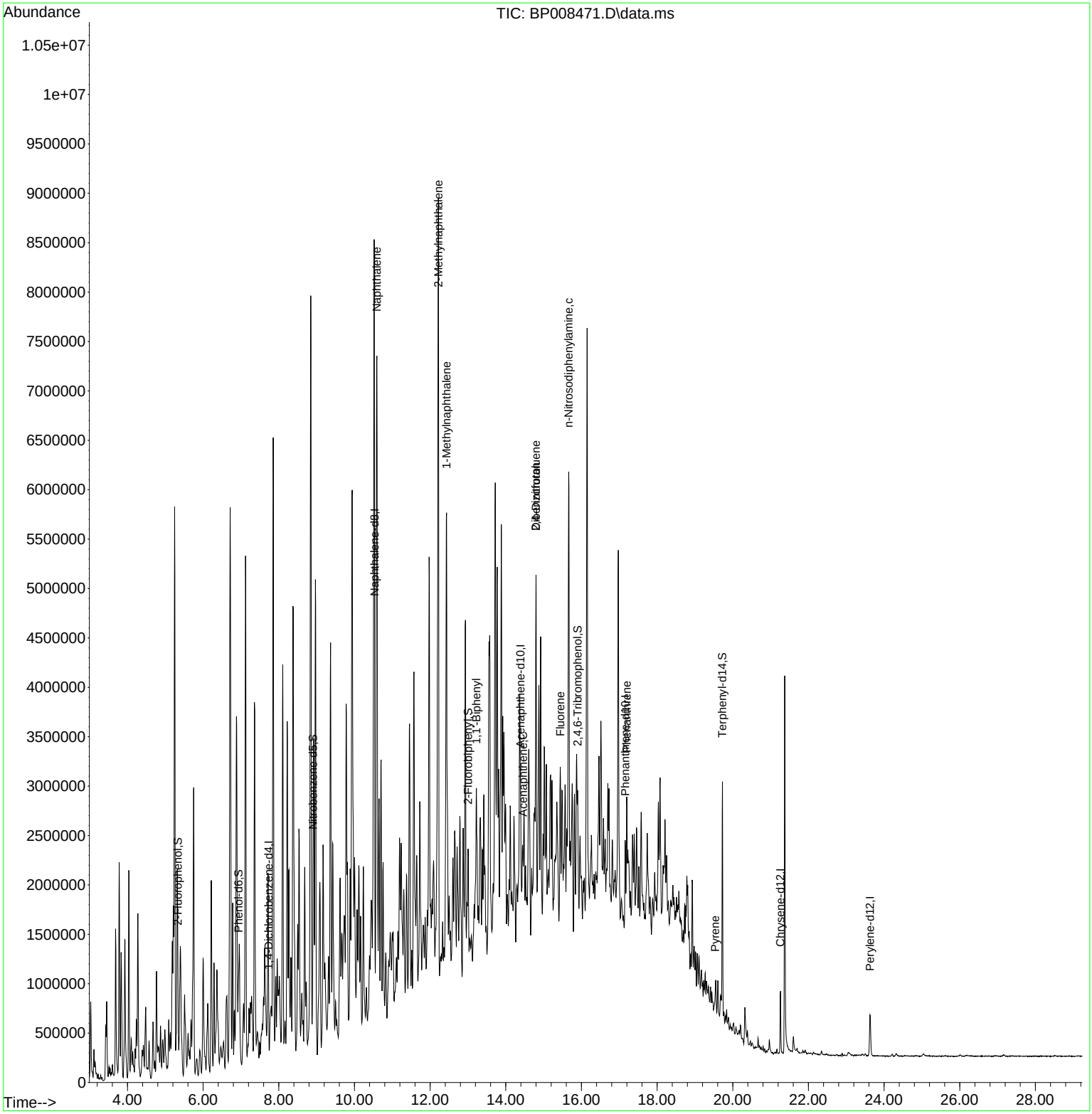
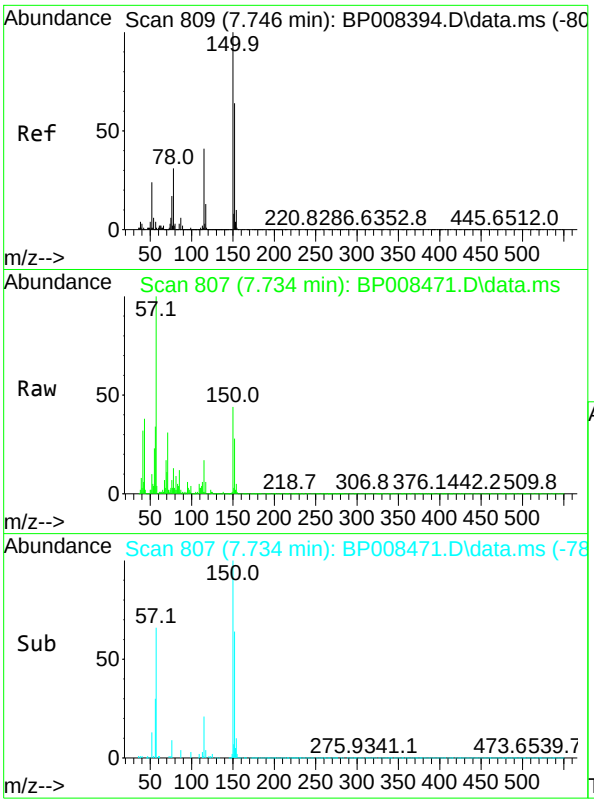
A2-5-6.5

Quant Time: Dec 18 06:52:12 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 18 06:49:58 2021
Response via : Initial Calibration



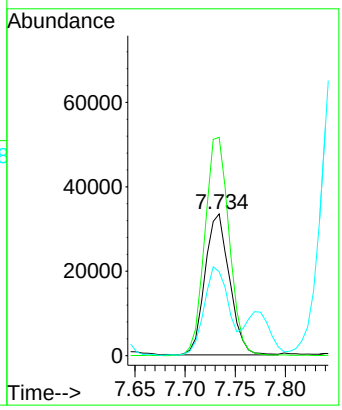


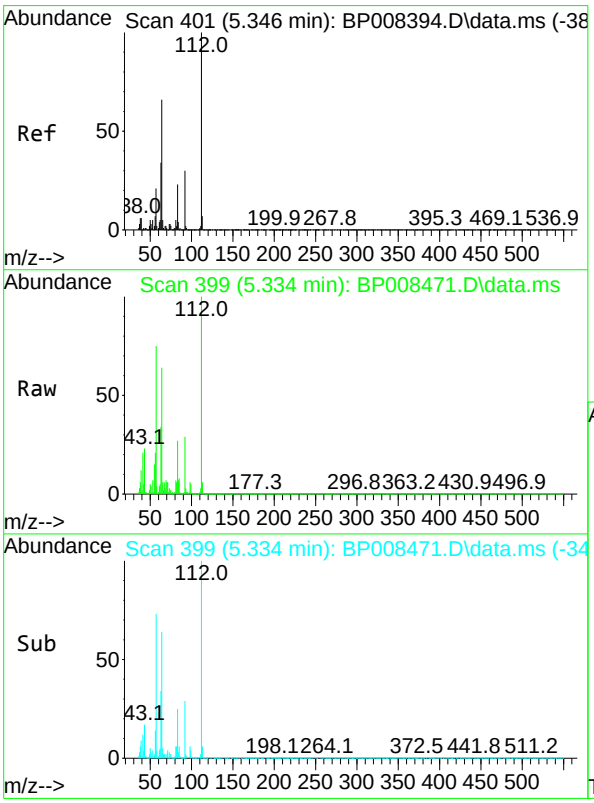
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.734 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP008471.D
Acq: 17 Dec 2021 15:04

Instrument :
BNA_P
ClientSampleId :
A2-5-6.5

Tgt Ion:152 Resp: 56880

Ion	Ratio	Lower	Upper
152	100		
150	154.0	125.7	188.5
115	59.2	50.7	76.1

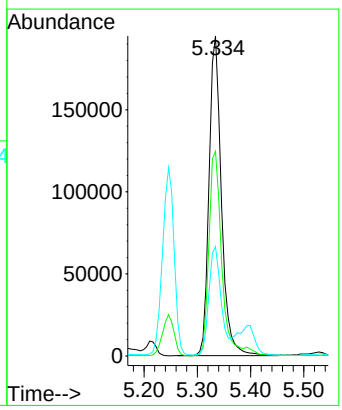


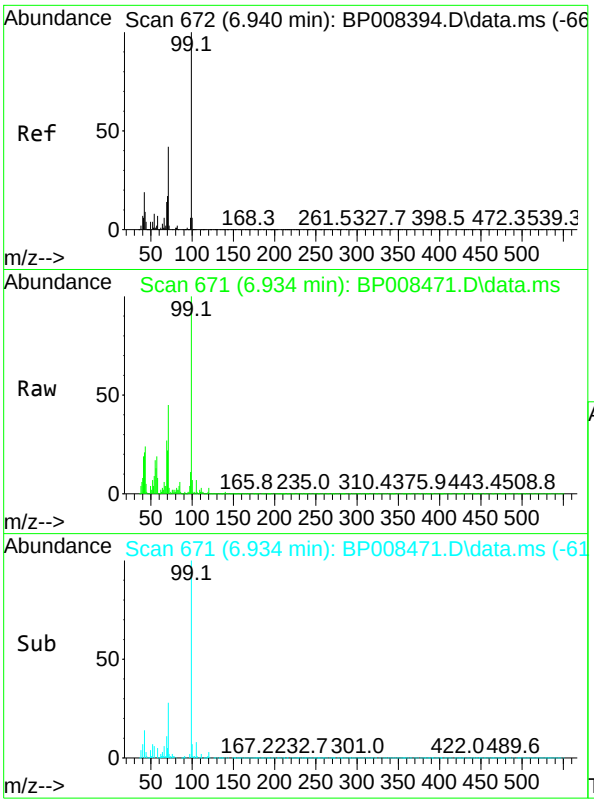


#5
2-Fluorophenol
Concen: 87.333 ng
RT: 5.334 min Scan# 399
Delta R.T. 0.006 min
Lab File: BP008471.D
Acq: 17 Dec 2021 15:04

Tgt Ion:112 Resp: 314549

Ion	Ratio	Lower	Upper
112	100		
64	64.0	53.4	80.2
63	34.2	27.8	41.8



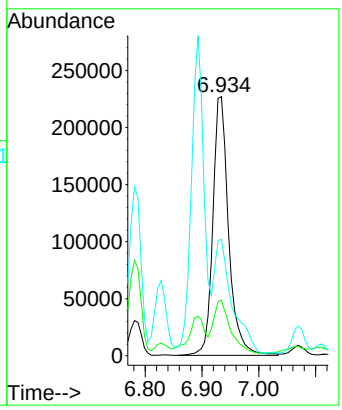


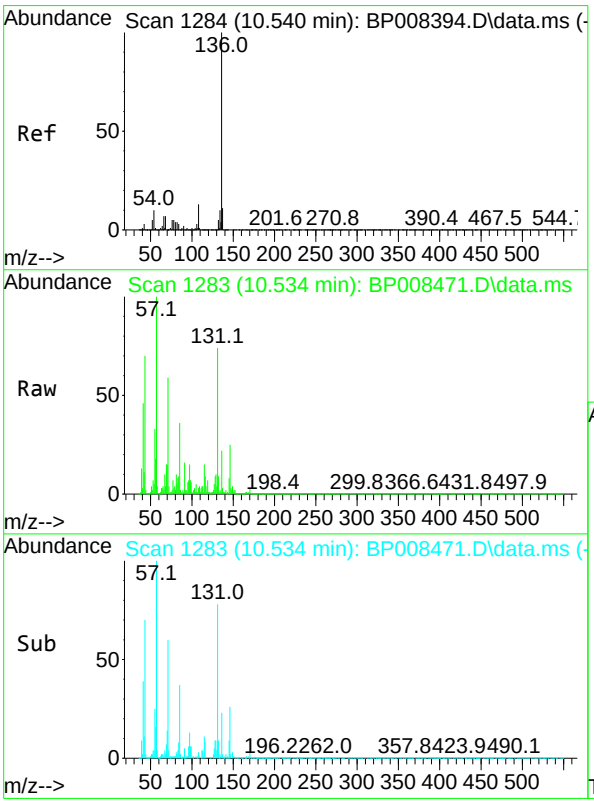
#7
Phenol-d6
Concen: 90.351 ng
RT: 6.934 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP008471.D
Acq: 17 Dec 2021 15:04

Instrument :
BNA_P
ClientSampleId :
A2-5-6.5

Tgt Ion: 99 Resp: 437060

Ion	Ratio	Lower	Upper
99	100		
42	21.4	14.6	22.0
71	44.8	31.1	46.7

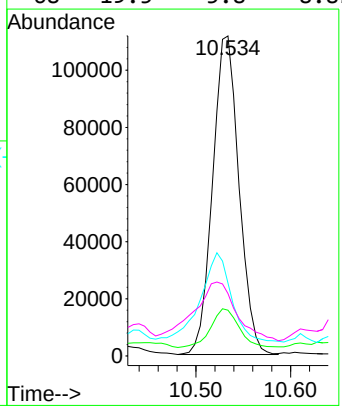


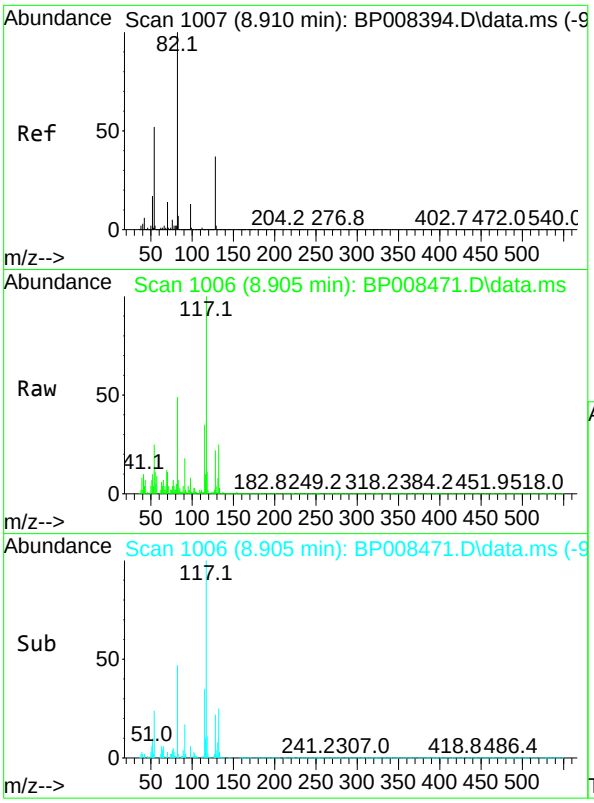


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.534 min Scan# 1283
Delta R.T. 0.012 min
Lab File: BP008471.D
Acq: 17 Dec 2021 15:04

Tgt Ion:136 Resp: 215481

Ion	Ratio	Lower	Upper
136	100		
137	14.3	9.0	13.6#
54	22.8	8.2	12.4#
68	19.5	5.8	8.8#



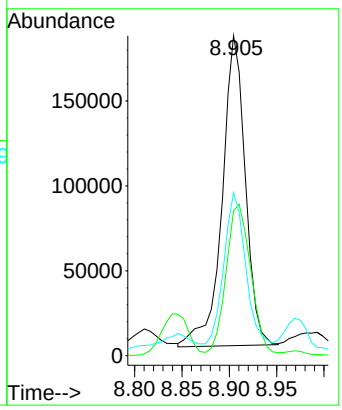


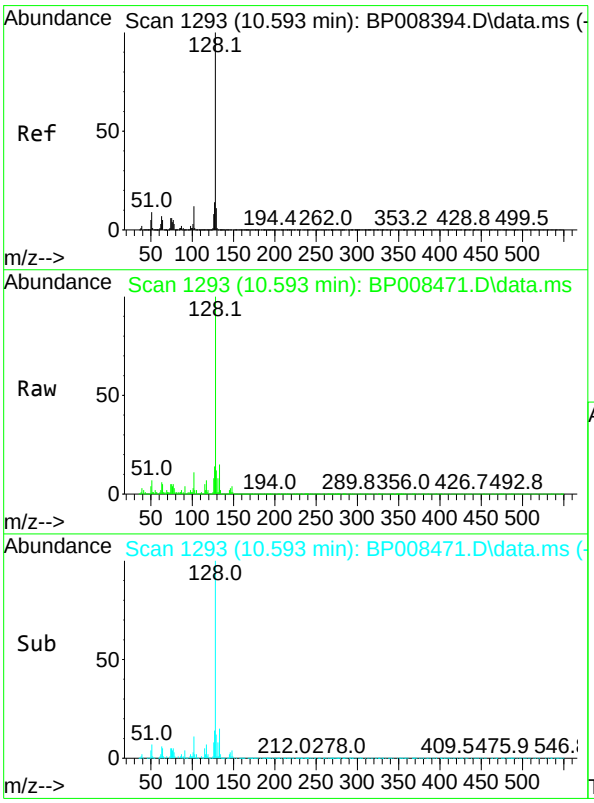
#23
Nitrobenzene-d5
Concen: 61.155 ng
RT: 8.905 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP008471.D
Acq: 17 Dec 2021 15:04

Instrument :
BNA_P
ClientSampleId :
A2-5-6.5

Tgt Ion: 82 Resp: 311056

Ion	Ratio	Lower	Upper
82	100		
128	45.2	29.6	44.4#
54	50.9	42.7	64.1

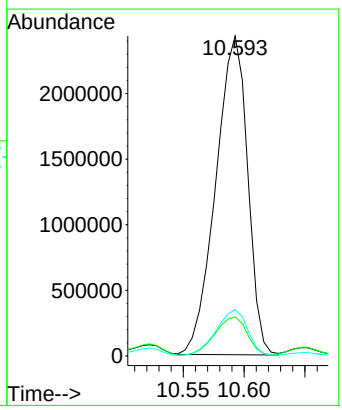


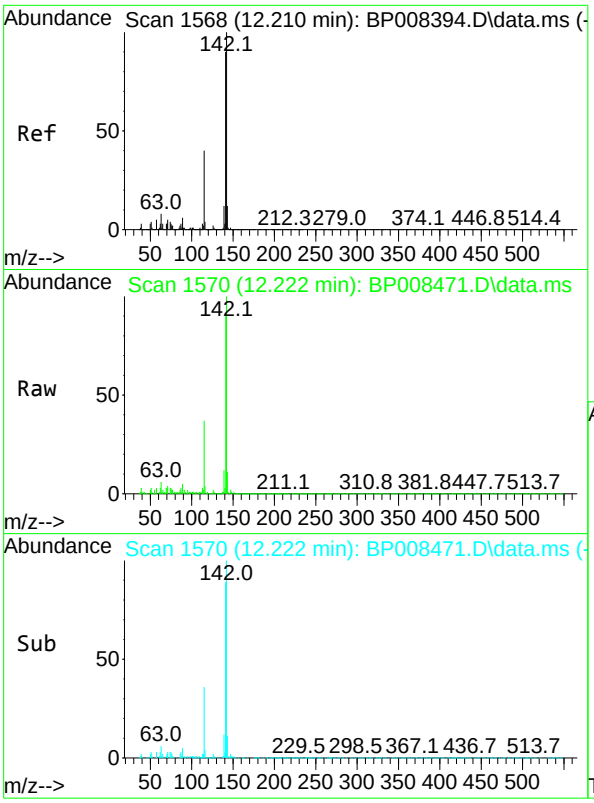


#31
Naphthalene
Concen: 391.031 ng
RT: 10.593 min Scan# 1293
Delta R.T. 0.018 min
Lab File: BP008471.D
Acq: 17 Dec 2021 15:04

Tgt Ion:128 Resp: 4418598

Ion	Ratio	Lower	Upper
128	100		
129	12.2	8.5	12.7
127	14.4	10.9	16.3



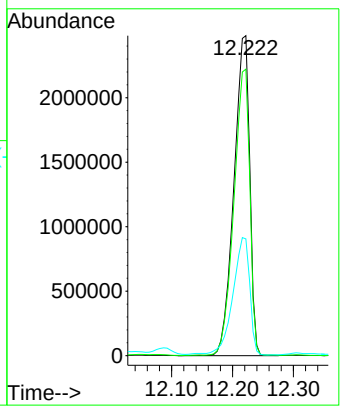


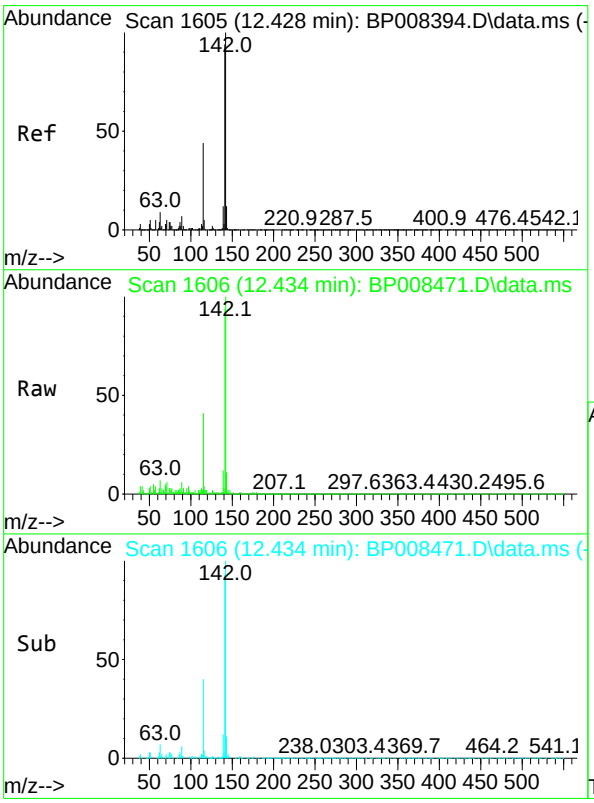
#37
2-Methylnaphthalene
Concen: 573.685 ng
RT: 12.222 min Scan# 1
Delta R.T. 0.029 min
Lab File: BP008471.D
Acq: 17 Dec 2021 15:04

Instrument :
BNA_P
ClientSampleId :
A2-5-6.5

Tgt Ion:142 Resp: 4467952

Ion	Ratio	Lower	Upper
142	100		
141	89.5	70.7	106.1
115	36.5	30.9	46.3

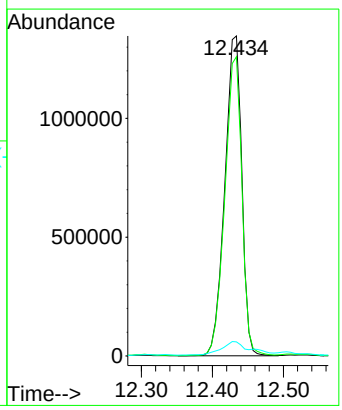


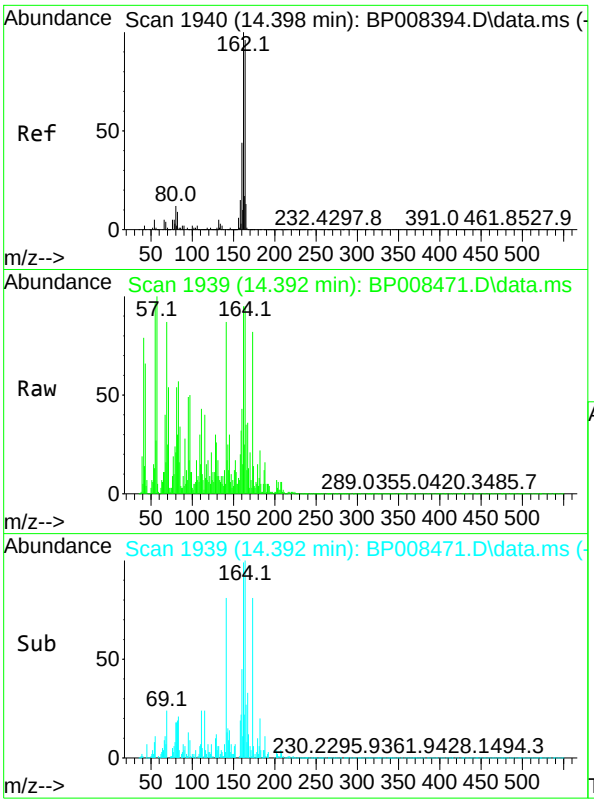


#38
1-Methylnaphthalene
Concen: 294.379 ng
RT: 12.434 min Scan# 1606
Delta R.T. 0.018 min
Lab File: BP008471.D
Acq: 17 Dec 2021 15:04

Tgt Ion:142 Resp: 2232078

Ion	Ratio	Lower	Upper
142	100		
141	93.5	74.2	111.4
116	4.4	3.4	5.2



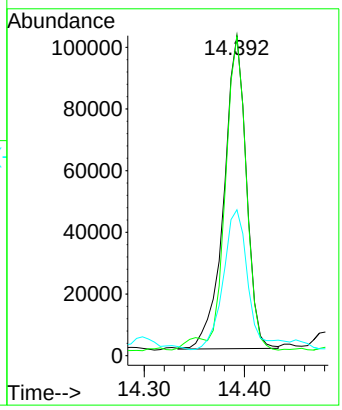


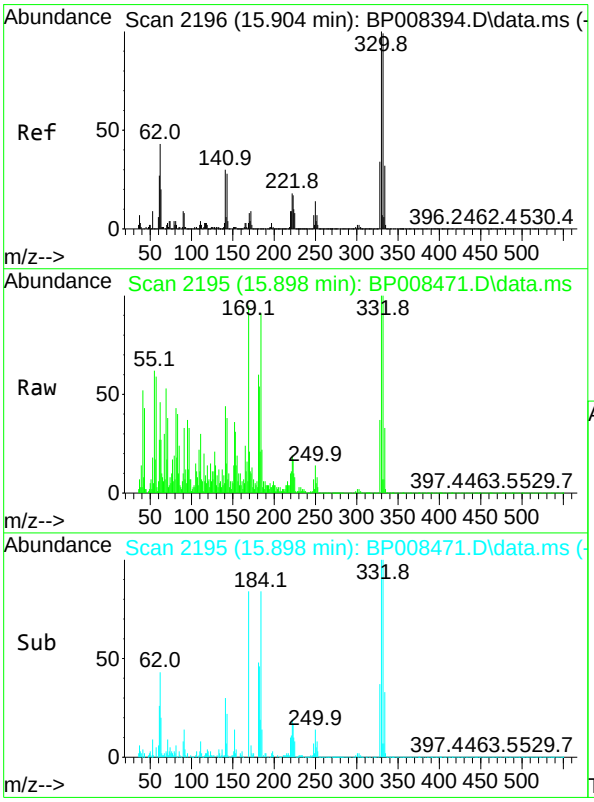
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP008471.D
Acq: 17 Dec 2021 15:04

Instrument :
BNA_P
ClientSampleId :
A2-5-6.5

Tgt Ion:164 Resp: 158205

Ion	Ratio	Lower	Upper
164	100		
162	99.7	81.9	122.9
160	45.6	35.4	53.0

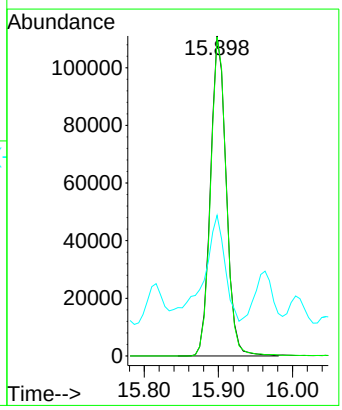


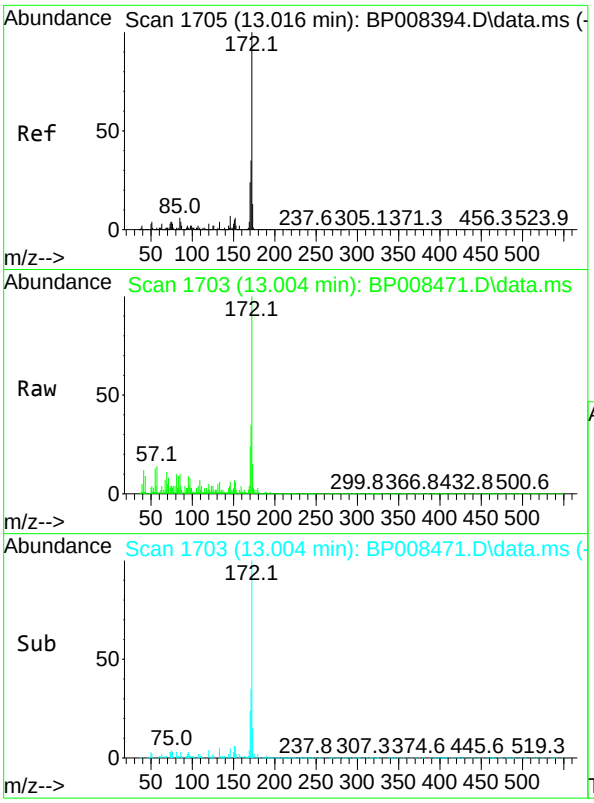


#42
2,4,6-Tribromophenol
Concen: 70.394 ng
RT: 15.898 min Scan# 2195
Delta R.T. 0.006 min
Lab File: BP008471.D
Acq: 17 Dec 2021 15:04

Tgt Ion:330 Resp: 163662

Ion	Ratio	Lower	Upper
330	100		
332	99.1	77.0	115.4
141	44.1	28.4	42.6#



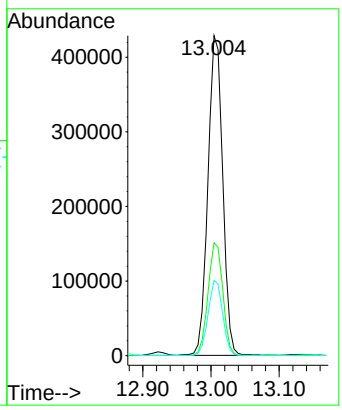


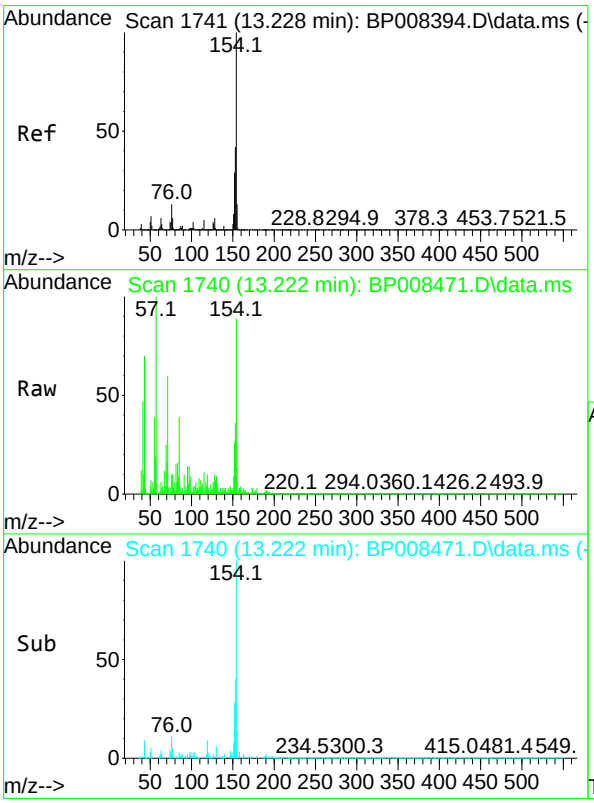
#45
2-Fluorobiphenyl
Concen: 51.897 ng
RT: 13.004 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP008471.D
Acq: 17 Dec 2021 15:04

Instrument :
BNA_P
ClientSampleId :
A2-5-6.5

Tgt Ion:172 Resp: 645881

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.0	42.0
170	23.5	18.9	28.3

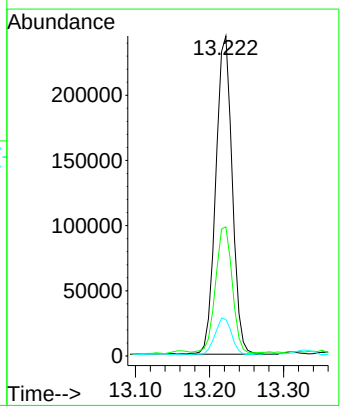


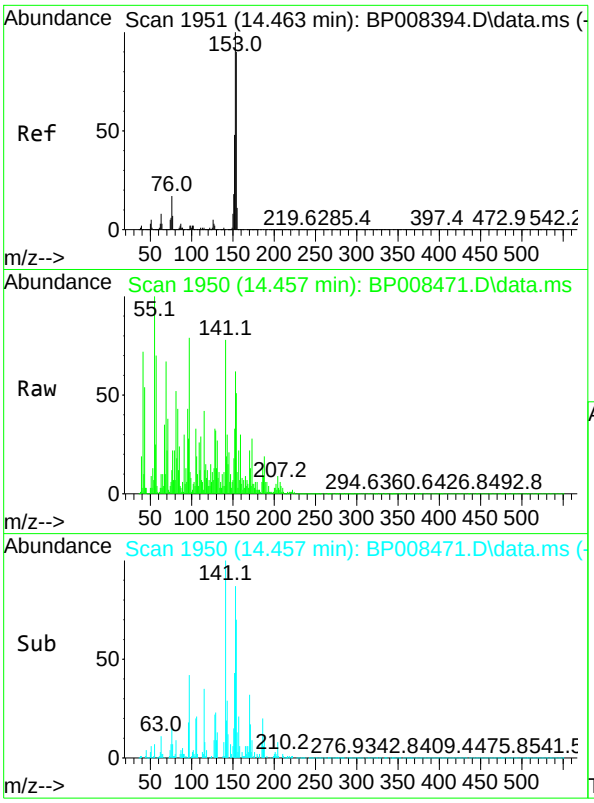


#46
1,1'-Biphenyl
Concen: 30.755 ng
RT: 13.222 min Scan# 1740
Delta R.T. 0.006 min
Lab File: BP008471.D
Acq: 17 Dec 2021 15:04

Tgt Ion:154 Resp: 375916

Ion	Ratio	Lower	Upper
154	100		
153	40.3	19.7	59.7
76	11.4	0.0	33.7



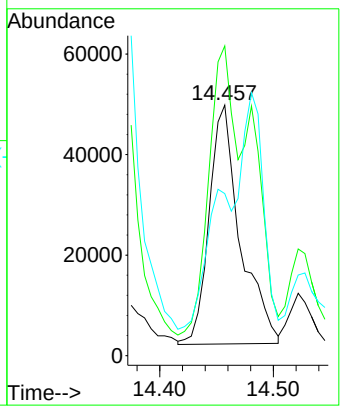


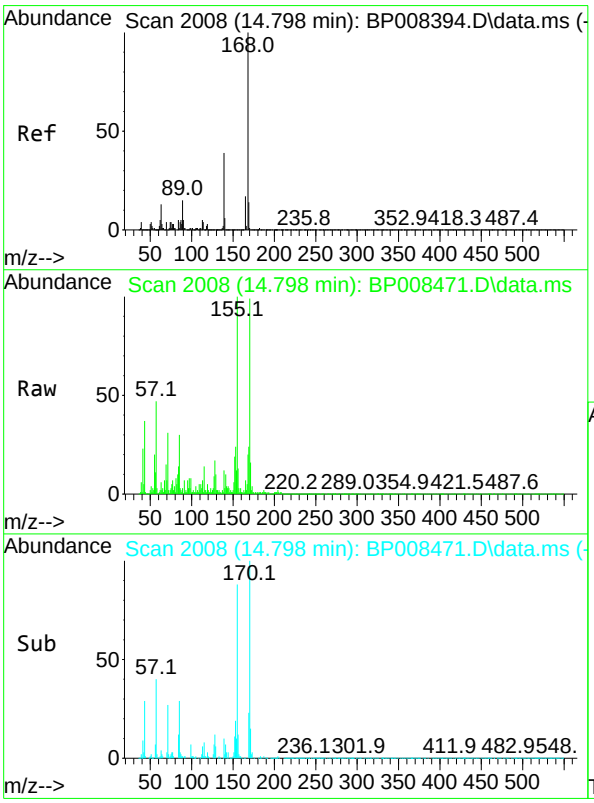
#52
Acenaphthene
Concen: 10.585 ng
RT: 14.457 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP008471.D
Acq: 17 Dec 2021 15:04

Instrument :
BNA_P
ClientSampleId :
A2-5-6.5

Tgt Ion:154 Resp: 90231

Ion	Ratio	Lower	Upper
154	100		
153	123.6	90.3	135.5
152	64.7	43.3	64.9

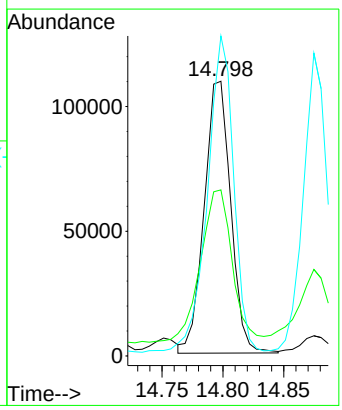


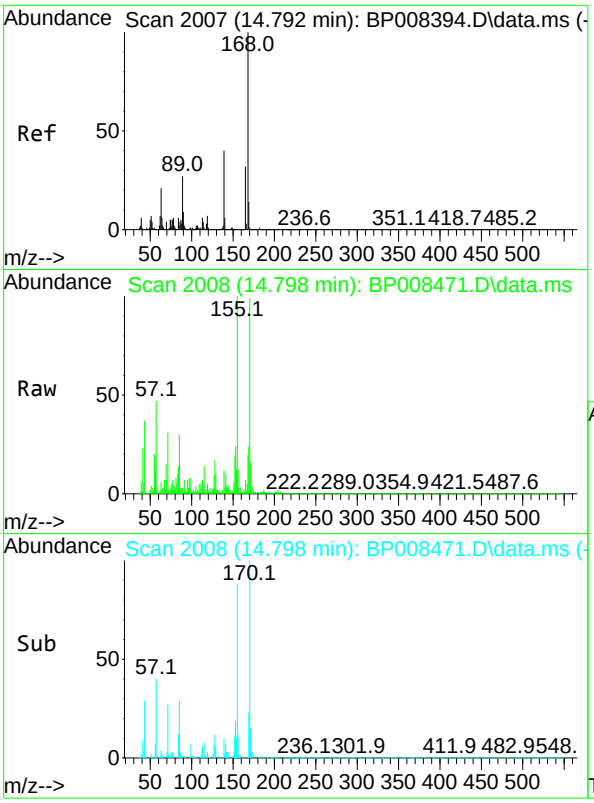


#55
Dibenzofuran
Concen: 11.409 ng
RT: 14.798 min Scan# 2008
Delta R.T. 0.012 min
Lab File: BP008471.D
Acq: 17 Dec 2021 15:04

Tgt Ion:168 Resp: 165452

Ion	Ratio	Lower	Upper
168	100		
139	60.5	30.6	46.0#
169	116.5	11.0	16.4#



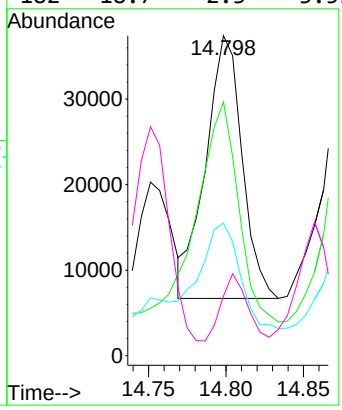


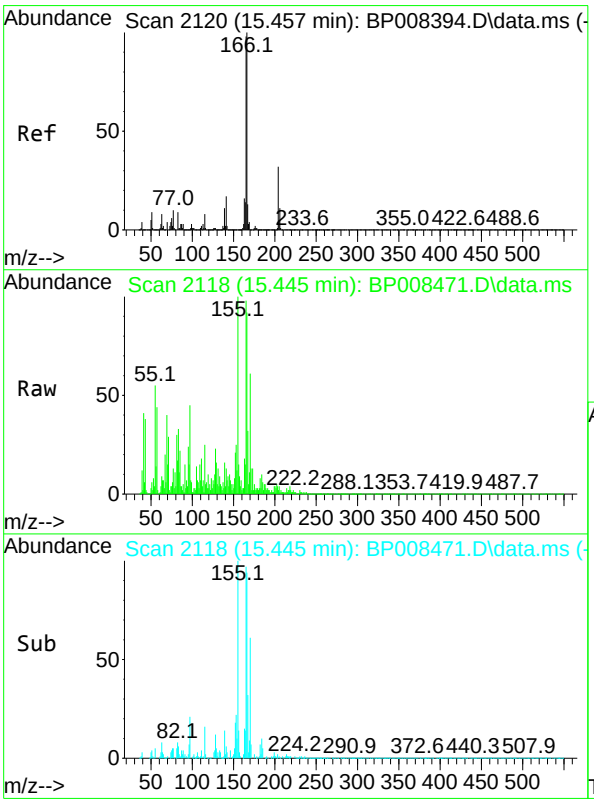
#57
2,4-Dinitrotoluene
Concen: 14.987 ng
RT: 14.798 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP008471.D
Acq: 17 Dec 2021 15:04

Instrument :
BNA_P
ClientSampleId :
A2-5-6.5

Tgt Ion:165 Resp: 50067

Ion	Ratio	Lower	Upper
165	100		
63	79.3	38.9	58.3#
89	41.4	60.5	90.7#
182	18.7	2.3	3.5#

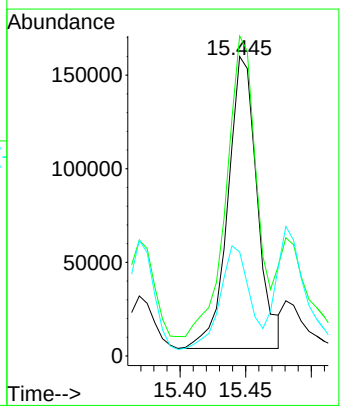


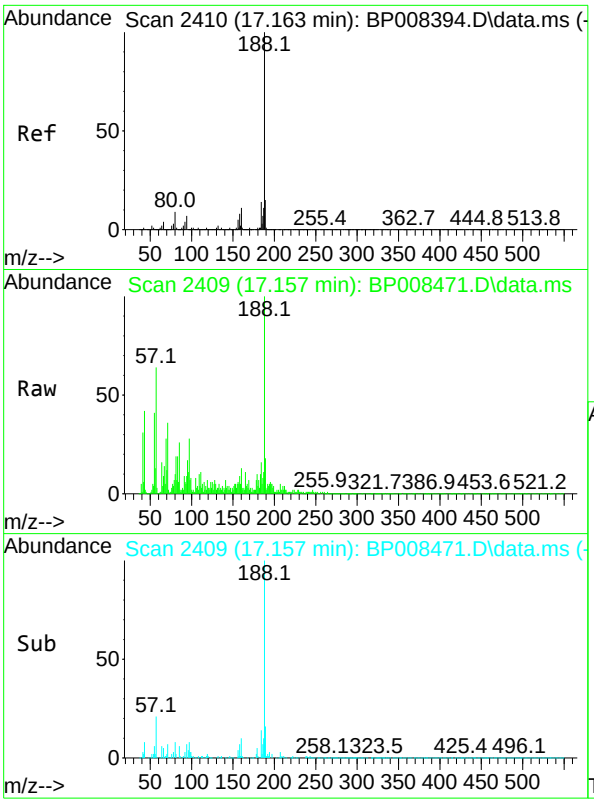


#58
Fluorene
Concen: 21.559 ng
RT: 15.445 min Scan# 2118
Delta R.T. 0.006 min
Lab File: BP008471.D
Acq: 17 Dec 2021 15:04

Tgt Ion:166 Resp: 242378

Ion	Ratio	Lower	Upper
166	100		
165	106.8	79.4	119.2
167	34.7	10.9	16.3#



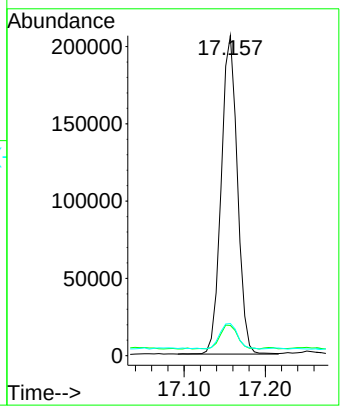


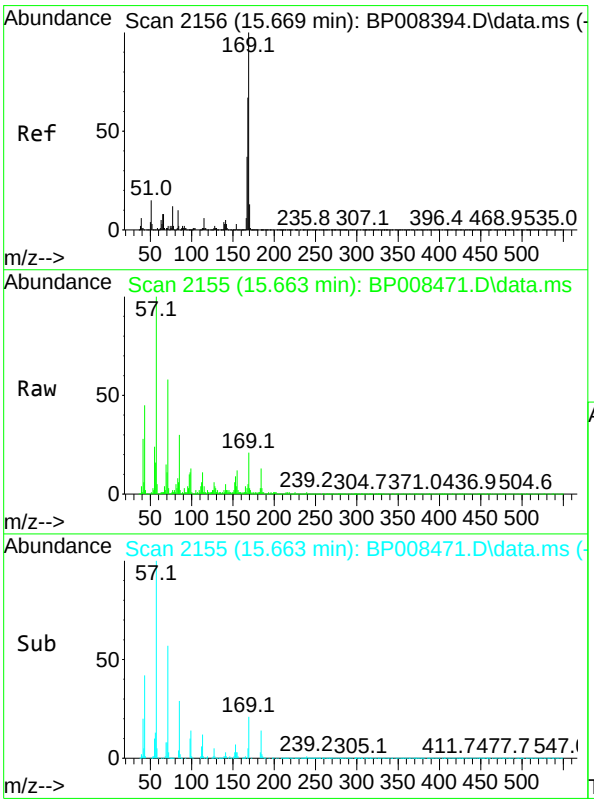
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP008471.D
Acq: 17 Dec 2021 15:04

Instrument :
BNA_P
ClientSampleId :
A2-5-6.5

Tgt Ion:188 Resp: 286454

Ion	Ratio	Lower	Upper
188	100		
94	9.5	7.2	10.8
80	10.1	8.2	12.4

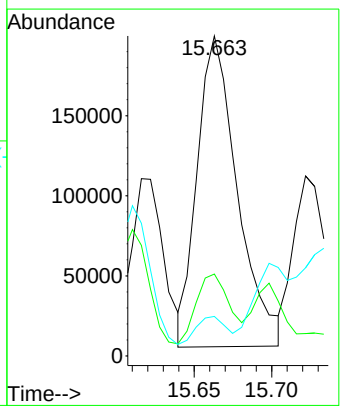


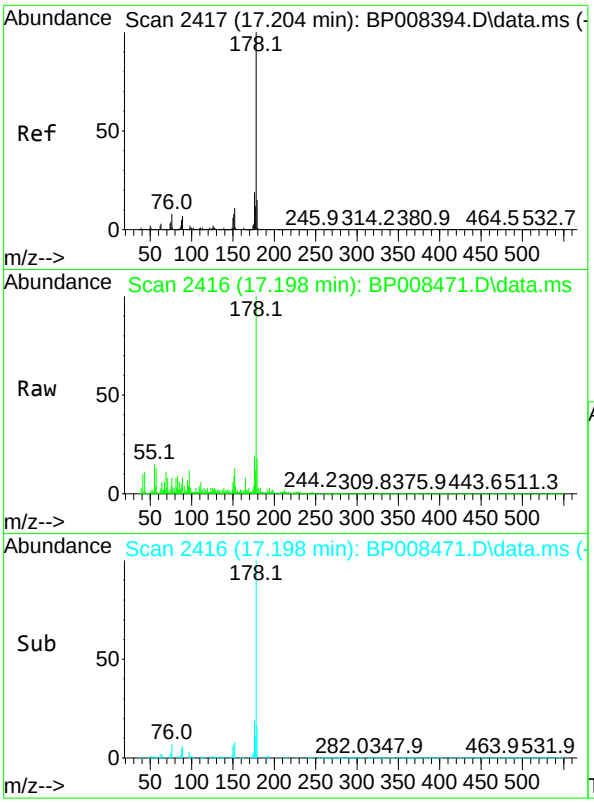


#66
n-Nitrosodiphenylamine
Concen: 38.823 ng
RT: 15.663 min Scan# 2155
Delta R.T. 0.006 min
Lab File: BP008471.D
Acq: 17 Dec 2021 15:04

Tgt Ion:169 Resp: 350138

Ion	Ratio	Lower	Upper
169	100		
168	25.6	53.5	80.3#
167	12.3	29.3	43.9#



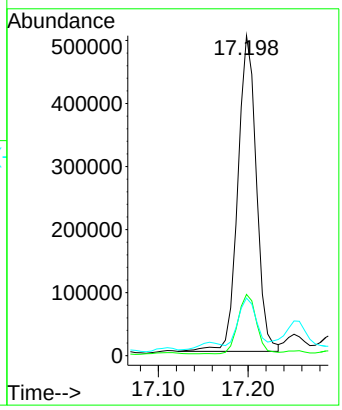


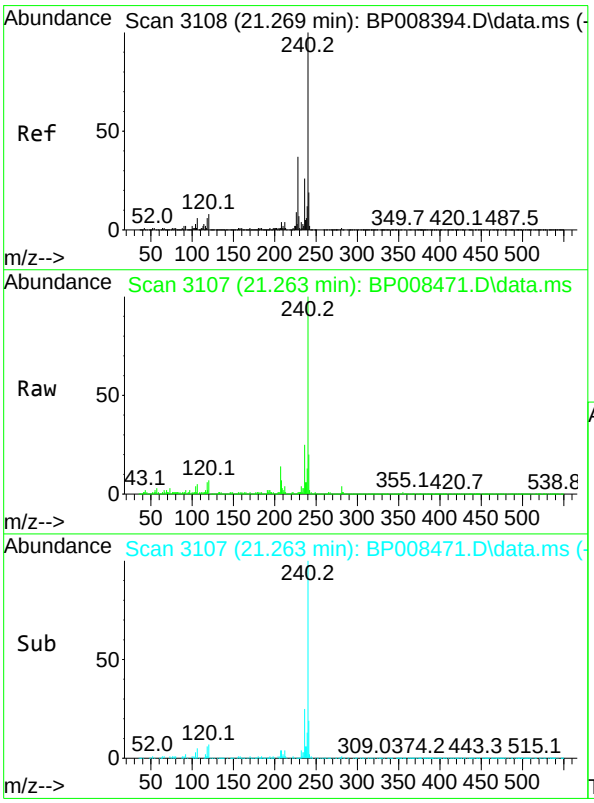
#71
Phenanthrene
Concen: 46.498 ng
RT: 17.198 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP008471.D
Acq: 17 Dec 2021 15:04

Instrument :
BNA_P
ClientSampleId :
A2-5-6.5

Tgt Ion:178 Resp: 721511

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	18.0	12.5	18.7

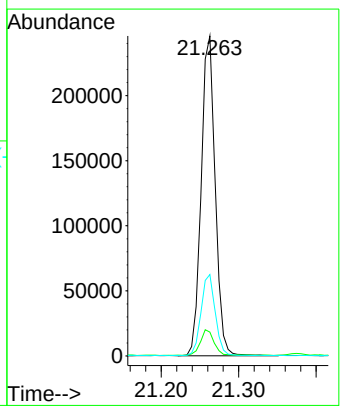


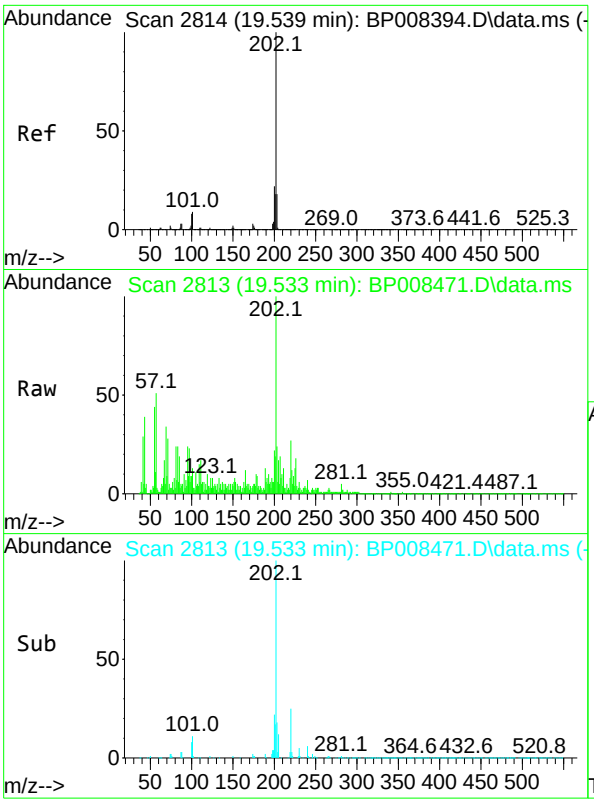


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.263 min Scan# 3107
Delta R.T. -0.000 min
Lab File: BP008471.D
Acq: 17 Dec 2021 15:04

Tgt Ion:240 Resp: 308531

Ion	Ratio	Lower	Upper
240	100		
120	7.4	7.3	10.9
236	25.5	21.4	32.2



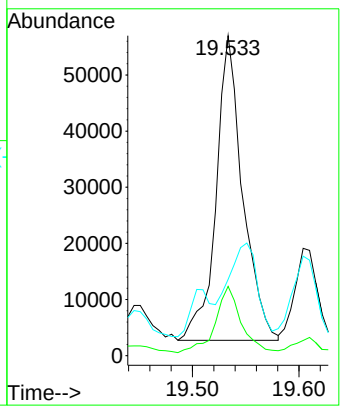


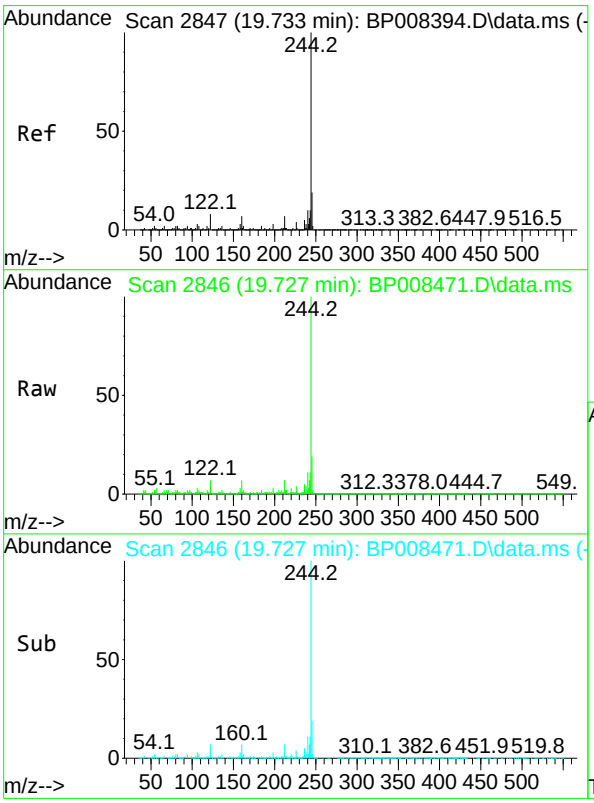
#78
Pyrene
Concen: 4.268 ng
RT: 19.533 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP008471.D
Acq: 17 Dec 2021 15:04

Instrument :
BNA_P
ClientSampleId :
A2-5-6.5

Tgt Ion:202 Resp: 94223

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.1	25.7
203	23.8	14.2	21.2#

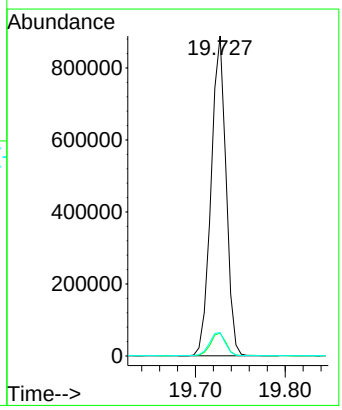


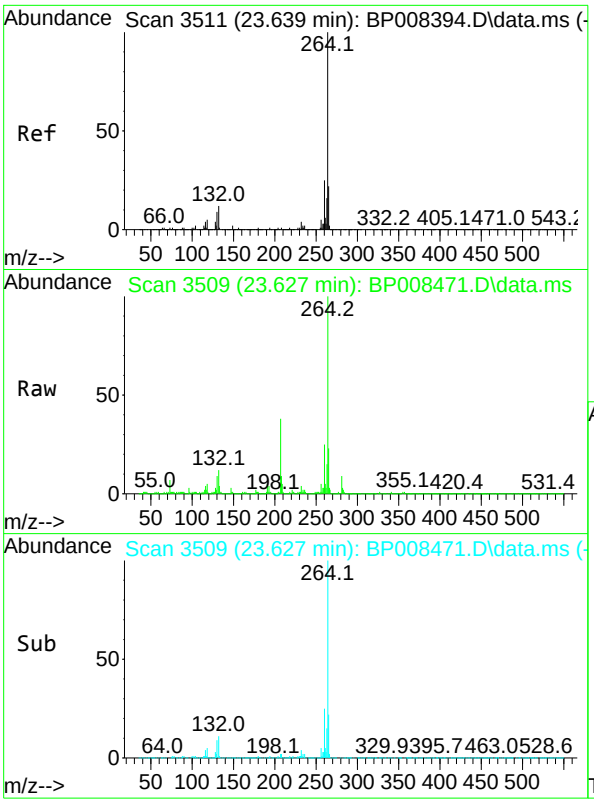


#79
Terphenyl-d14
Concen: 57.940 ng
RT: 19.727 min Scan# 2846
Delta R.T. -0.000 min
Lab File: BP008471.D
Acq: 17 Dec 2021 15:04

Tgt Ion:244 Resp: 1027138

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	7.3	6.6	9.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.627 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP008471.D
Acq: 17 Dec 2021 15:04

Instrument :
BNA_P
ClientSampleId :
A2-5-6.5

Tgt Ion:264 Resp: 342355

Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.4	29.2
265	22.9	17.6	26.4