Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021825\
Data File : BF141665.D
Acq On : 18 Feb 2025 17:00
Operator : RC/JU
Sample : Q1373-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VDR25992

Quant Time: Feb 18 17:33:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.781	152	84145	20.000	ng		-0.01
21) Naphthalene-d8	8.063	136	327262	20.000	ng		-0.01
39) Acenaphthene-d10	9.816	164	170667	20.000	ng		-0.02
64) Phenanthrene-d10	11.298	188	265244	20.000	ng		-0.02
76) Chrysene-d12	13.939	240	150925	20.000	ng		-0.02
86) Perylene-d12	15.380	264	174949	20.000	ng		-0.04
System Monitoring Compounds							
5) 2-Fluorophenol	5.416	112	698882	130.212	ng		0.00
7) Phenol-d6	6.428	99	800003	117.929	ng		-0.01
23) Nitrobenzene-d5	7.345	82	593414	94.577	ng		-0.02
42) 2,4,6-Tribromophenol	10.604	330	233281	136.069	ng		-0.02
45) 2-Fluorobiphenyl	9.139	172	1064251	96.072	ng		-0.01
79) Terphenyl-d14	12.886	244	854251	95.552	ng		-0.02
Target Compounds							Qvalue
9) Benzaldehyde	6.340	77	8867	2.460	ng	#	68
10) Phenol	6.440	94	21387	3.029	ng	#	68
15) Benzyl Alcohol	6.934	79	77491	14.896	ng		96
20) 3+4-Methylphenols	7.204	107	287561	49.857	ng	#	53
22) Acetophenone	7.193	105	37482	4.604	ng	#	55
27) 2,4-Dimethylphenol	7.745	122	13184	3.708	ng	#	88
32) Benzoic acid	7.845	122	45374	12.284	ng		94
36) 4-Chloro-3-methylphenol	8.639	107	10807	2.031	ng	#	67

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

Quantitation Report (QT Reviewed)

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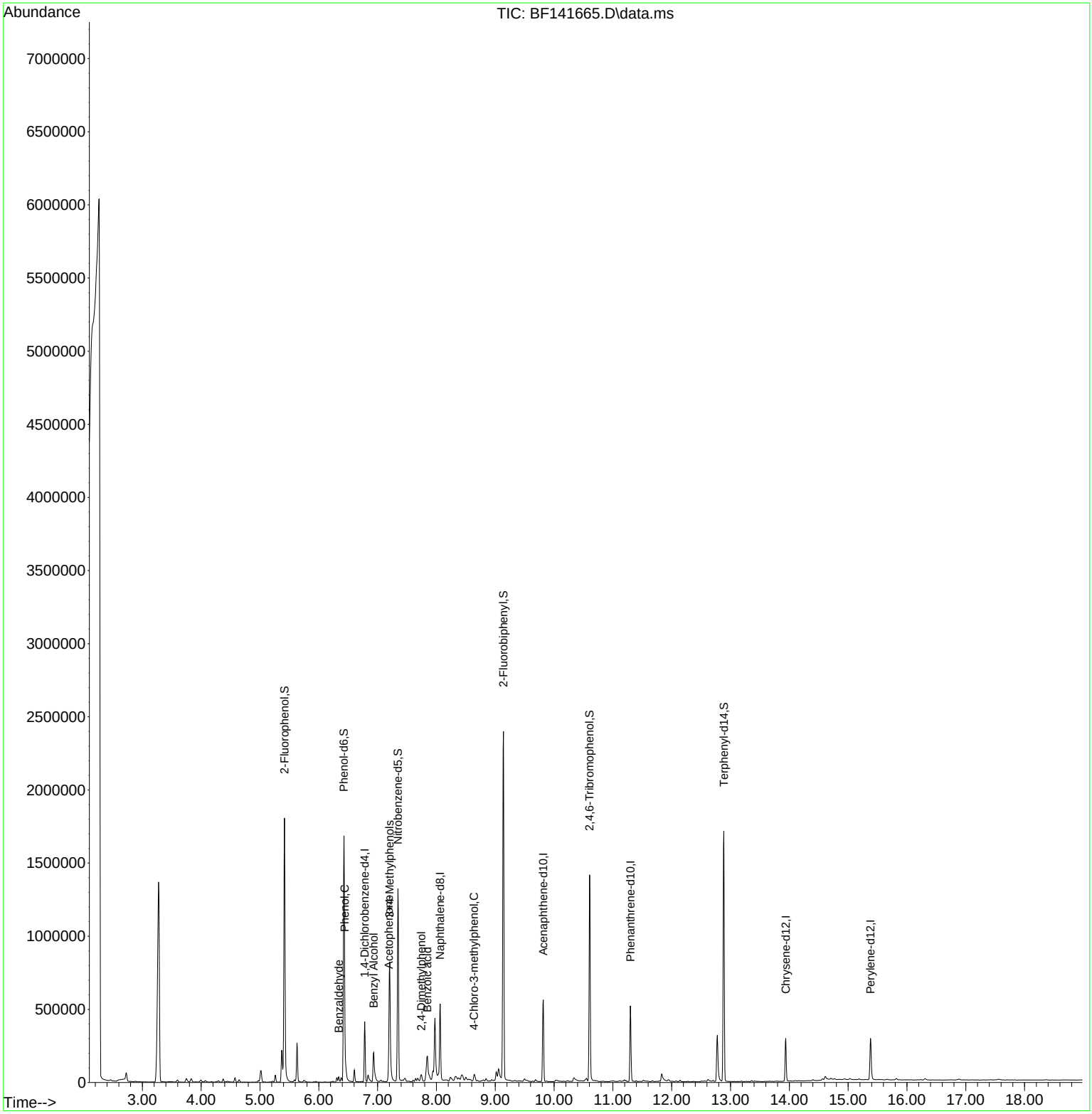
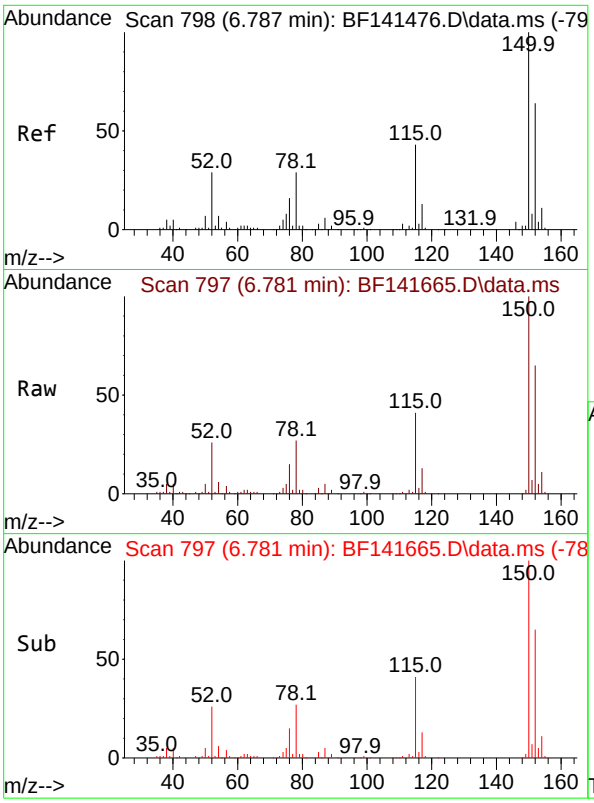


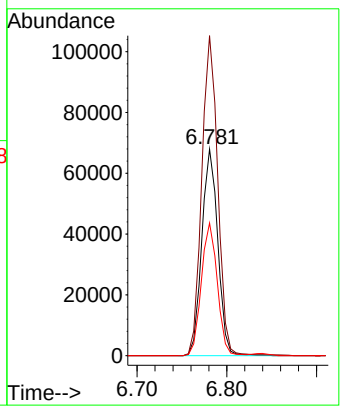


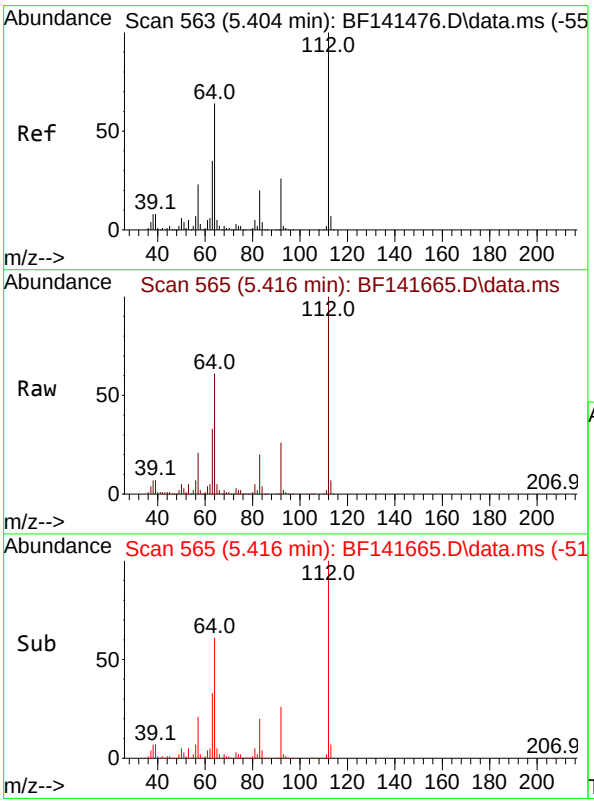
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 7
Delta R.T. -0.011 min
Lab File: BF141665.D
Acq: 18 Feb 2025 17:00

Instrument :
BNA_F
ClientSampleId :
VDR25992

Tgt Ion:152 Resp: 84145

Ion	Ratio	Lower	Upper
152	100		
150	154.9	125.0	187.4
115	64.2	53.6	80.4

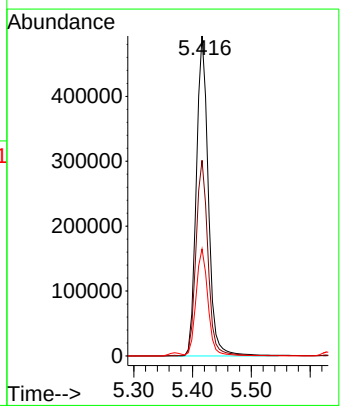


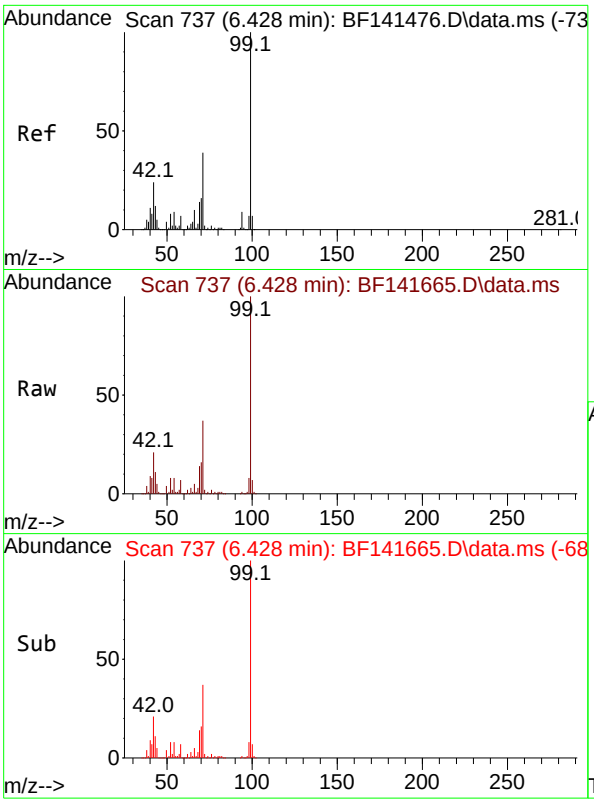


#5
2-Fluorophenol
Concen: 130.212 ng
RT: 5.416 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF141665.D
Acq: 18 Feb 2025 17:00

Tgt Ion:112 Resp: 698882

Ion	Ratio	Lower	Upper
112	100		
64	61.2	51.1	76.7
63	33.4	28.4	42.6



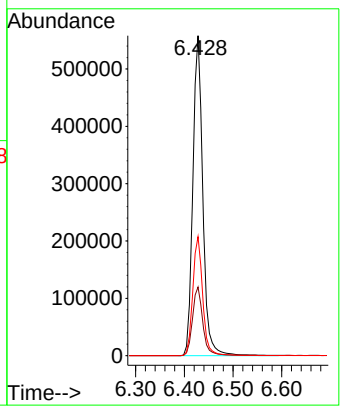


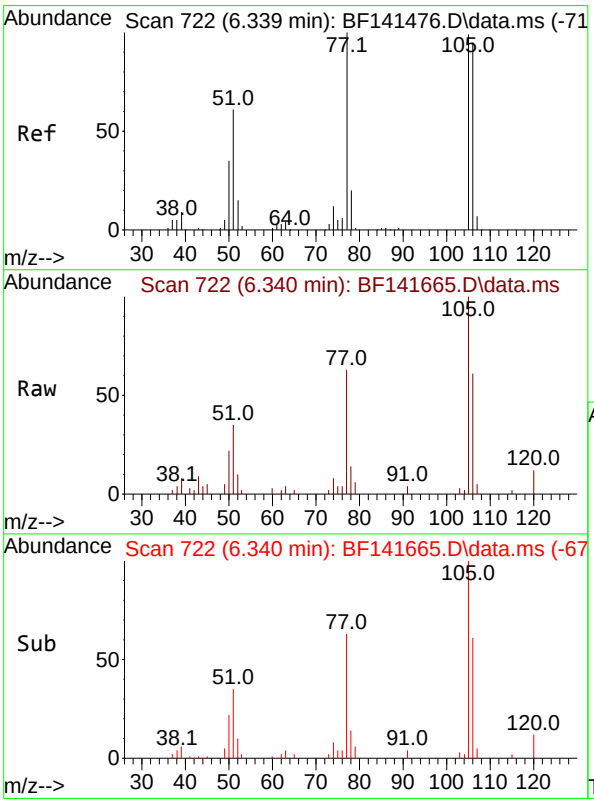
#7
Phenol-d6
Concen: 117.929 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141665.D
Acq: 18 Feb 2025 17:00

Instrument :
BNA_F
ClientSampleId :
VDR25992

Tgt Ion: 99 Resp: 800003

Ion	Ratio	Lower	Upper
99	100		
42	21.5	19.1	28.7
71	37.2	31.1	46.7

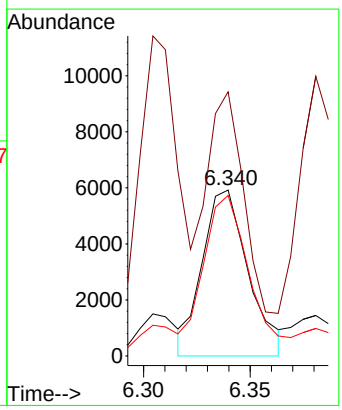


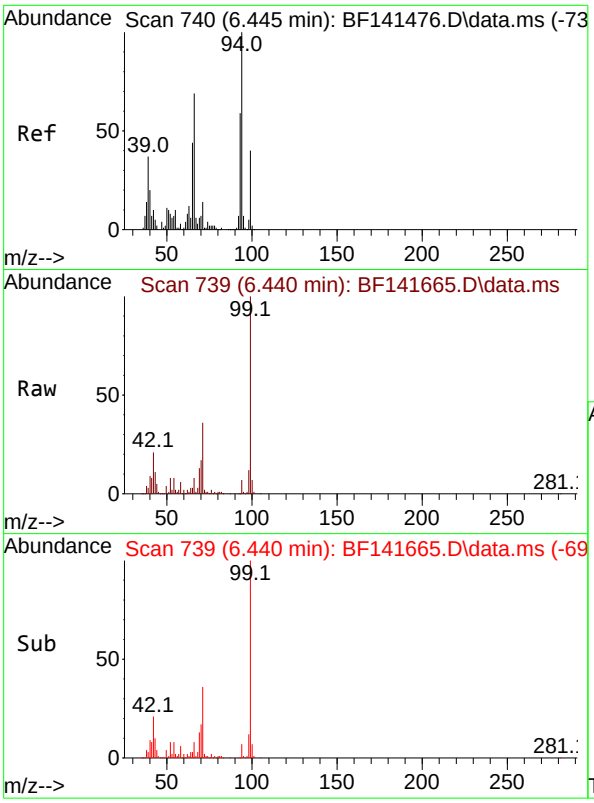


#9
Benzaldehyde
Concen: 2.460 ng
RT: 6.340 min Scan# 722
Delta R.T. 0.000 min
Lab File: BF141665.D
Acq: 18 Feb 2025 17:00

Tgt Ion: 77 Resp: 8867

Ion	Ratio	Lower	Upper
77	100		
105	159.3	79.4	119.4#
106	96.8	75.1	115.1



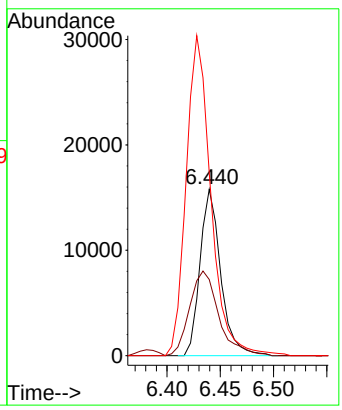


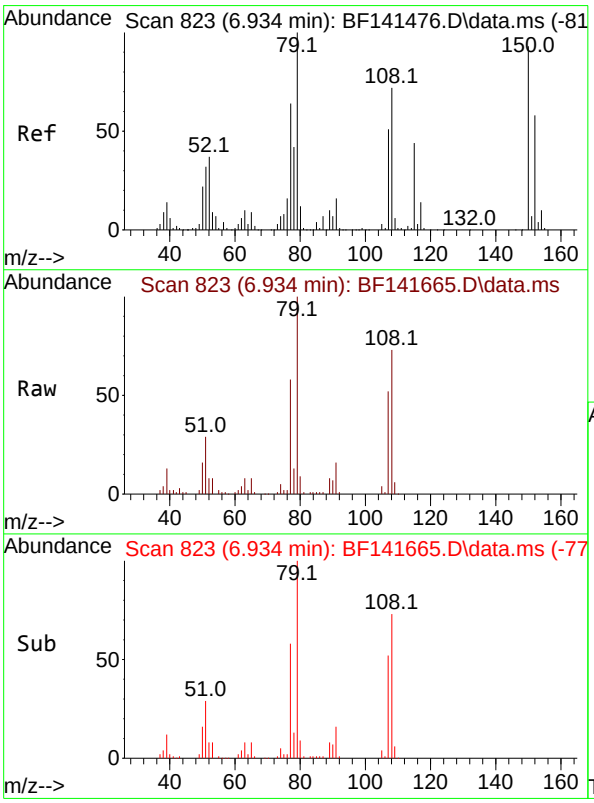
#10
Phenol
Concen: 3.029 ng
RT: 6.440 min Scan# 7
Delta R.T. -0.017 min
Lab File: BF141665.D
Acq: 18 Feb 2025 17:00

Instrument :
BNA_F
ClientSampleId :
VDR25992

Tgt Ion: 94 Resp: 21387

Ion	Ratio	Lower	Upper
94	100		
65	45.8	23.7	63.7
66	109.9	49.3	89.3#

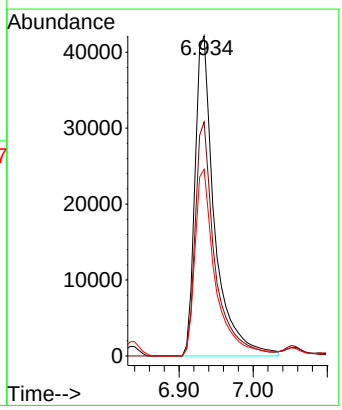


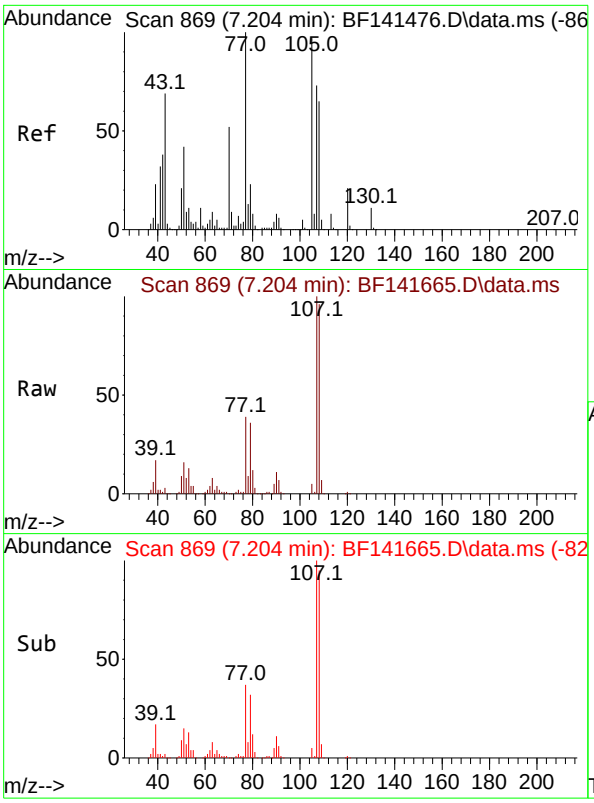


#15
Benzyl Alcohol
Concen: 14.896 ng
RT: 6.934 min Scan# 823
Delta R.T. -0.006 min
Lab File: BF141665.D
Acq: 18 Feb 2025 17:00

Tgt Ion: 79 Resp: 77491

Ion	Ratio	Lower	Upper
79	100		
108	73.1	57.4	86.2
77	58.3	50.9	76.3



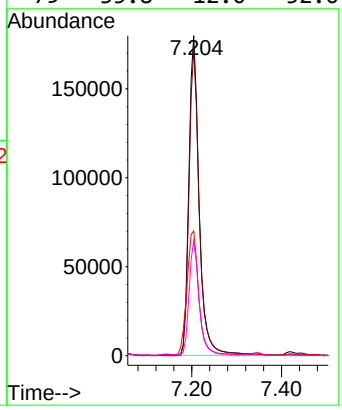


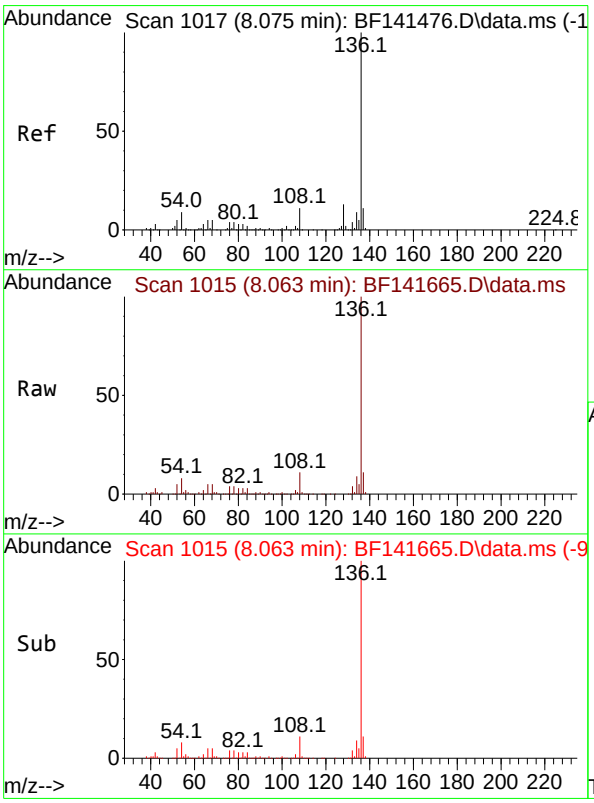
#20
3+4-Methylphenols
Concen: 49.857 ng
RT: 7.204 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141665.D
Acq: 18 Feb 2025 17:00

Instrument :
BNA_F
ClientSampleId :
VDR25992

Tgt Ion:107 Resp: 287561

Ion	Ratio	Lower	Upper
107	100		
108	95.9	68.5	108.5
77	39.0	116.5	156.5#
79	35.8	12.0	52.0

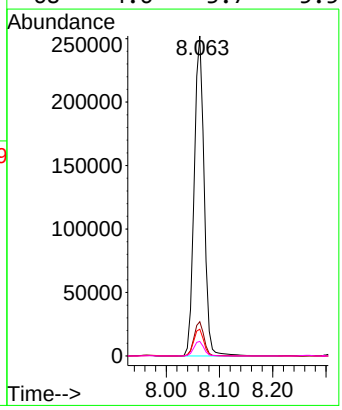


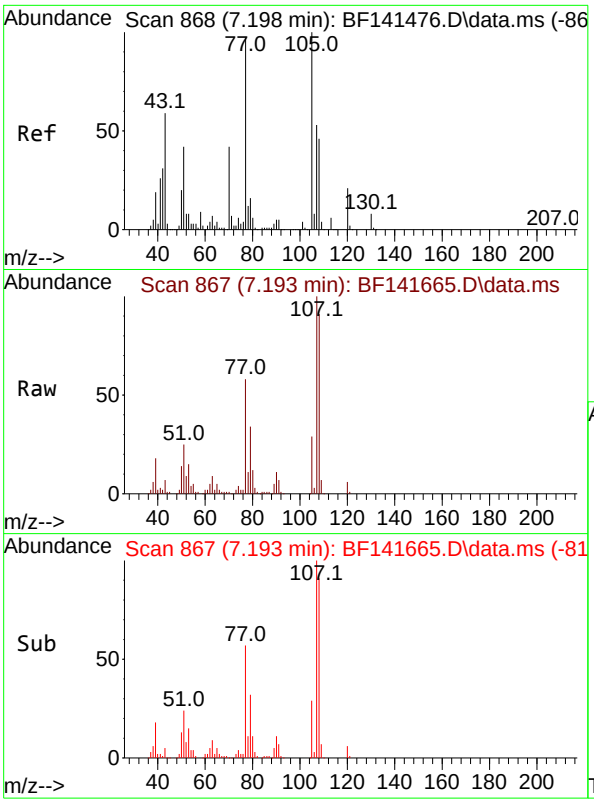


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141665.D
Acq: 18 Feb 2025 17:00

Tgt Ion:136 Resp: 327262

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	8.3	7.2	10.8
68	4.6	3.7	5.5



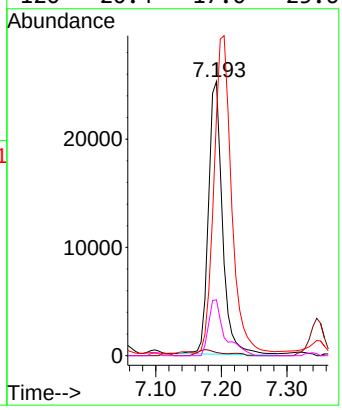


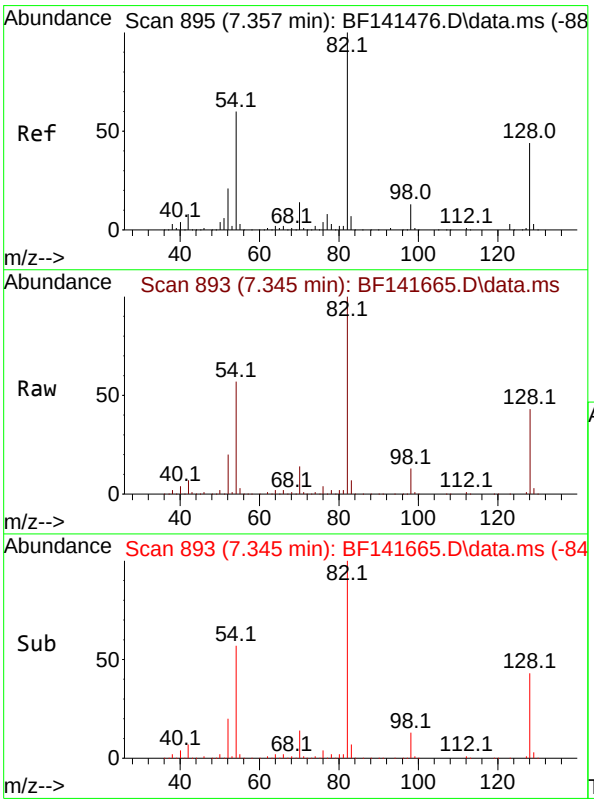
#22
Acetophenone
Concen: 4.604 ng
RT: 7.193 min Scan# 8
Delta R.T. -0.017 min
Lab File: BF141665.D
Acq: 18 Feb 2025 17:00

Instrument :
BNA_F
ClientSampleId :
VDR25992

Tgt Ion:105 Resp: 37482

Ion	Ratio	Lower	Upper
105	100		
71	1.2	5.7	8.5#
51	87.0	33.7	50.5#
120	20.4	17.0	25.6

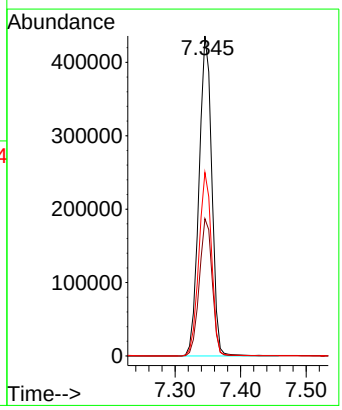


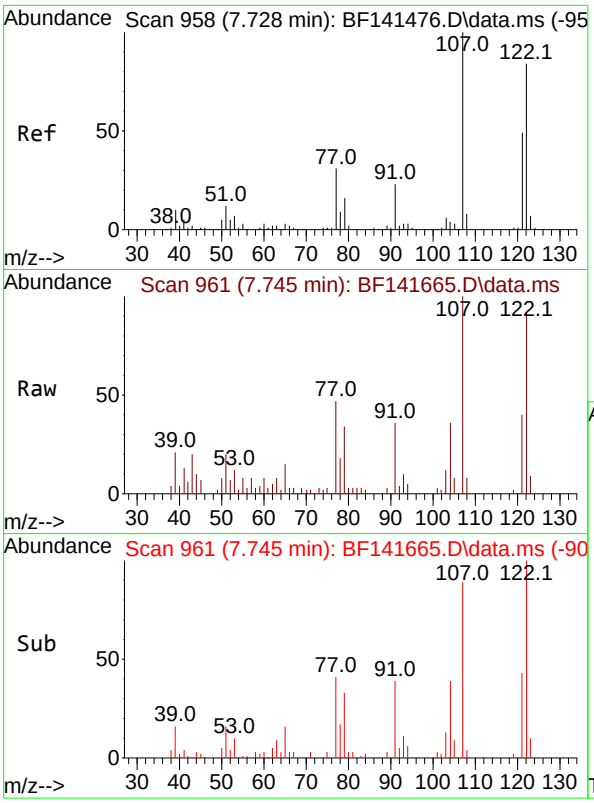


#23
Nitrobenzene-d5
Concen: 94.577 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.017 min
Lab File: BF141665.D
Acq: 18 Feb 2025 17:00

Tgt Ion: 82 Resp: 593414

Ion	Ratio	Lower	Upper
82	100		
128	42.9	34.8	52.2
54	57.4	48.2	72.4



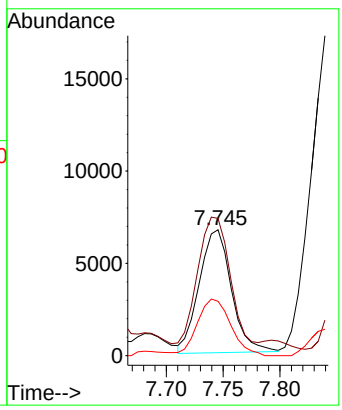


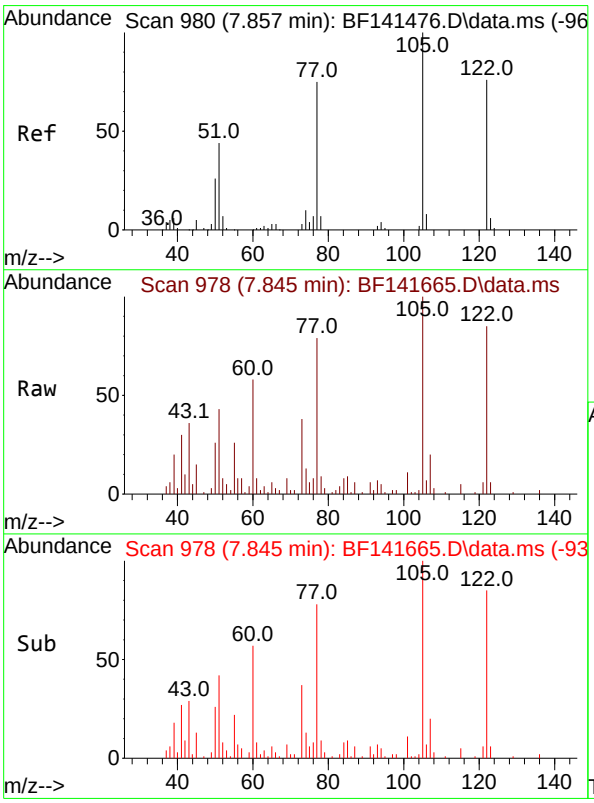
#27
2,4-Dimethylphenol
Concen: 3.708 ng
RT: 7.745 min Scan# 9
Delta R.T. 0.012 min
Lab File: BF141665.D
Acq: 18 Feb 2025 17:00

Instrument :
BNA_F
ClientSampleId :
VDR25992

Tgt Ion:122 Resp: 13184

Ion	Ratio	Lower	Upper
122	100		
107	109.0	94.3	141.5
121	43.2	46.0	69.0#

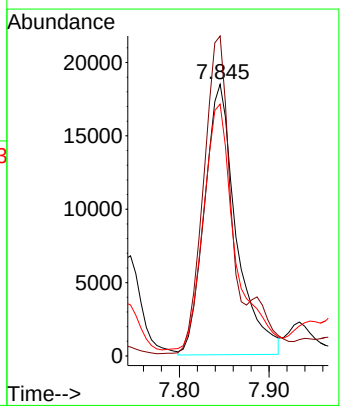


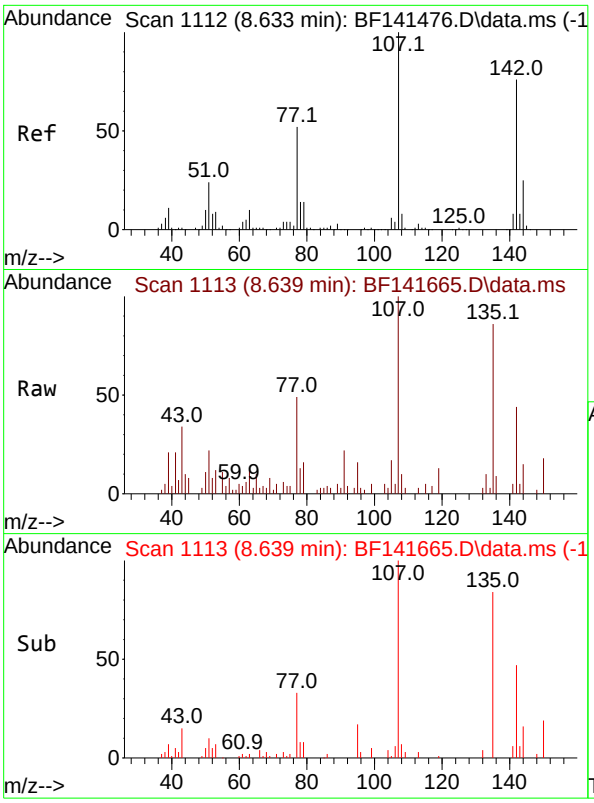


#32
Benzoic acid
Concen: 12.284 ng
RT: 7.845 min Scan# 978
Delta R.T. -0.047 min
Lab File: BF141665.D
Acq: 18 Feb 2025 17:00

Tgt Ion:122 Resp: 45374

Ion	Ratio	Lower	Upper
122	100		
105	117.8	106.5	146.5
77	92.7	76.3	116.3



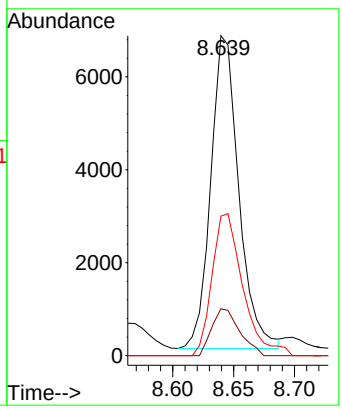


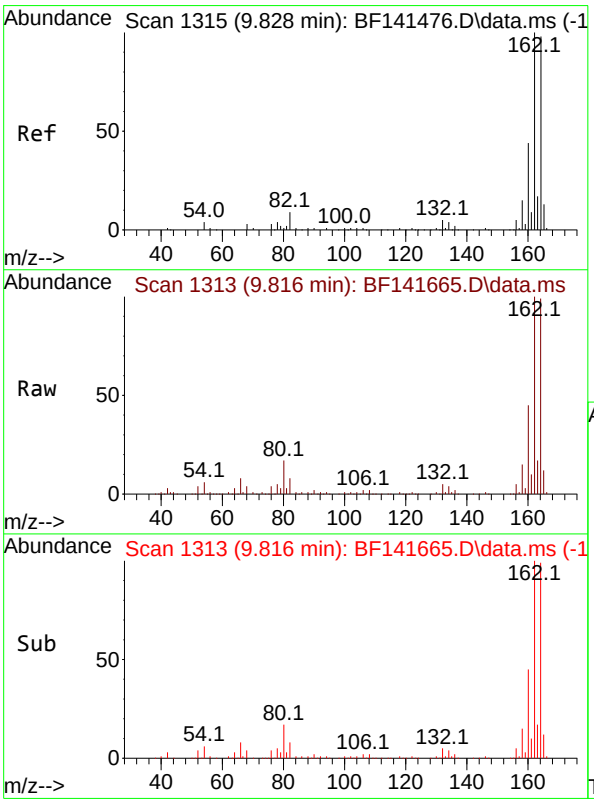
#36
4-Chloro-3-methylphenol
Concen: 2.031 ng
RT: 8.639 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141665.D
Acq: 18 Feb 2025 17:00

Instrument :
BNA_F
ClientSampleId :
VDR25992

Tgt Ion:107 Resp: 10807

Ion	Ratio	Lower	Upper
107	100		
144	14.6	19.7	29.5#
142	43.6	60.8	91.2#

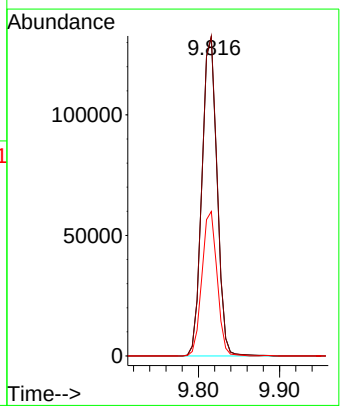


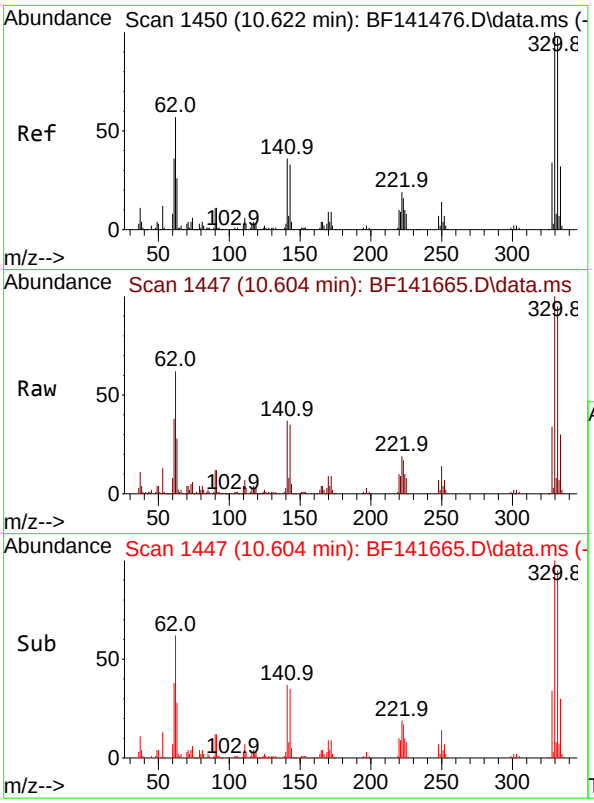


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1313
Delta R.T. -0.017 min
Lab File: BF141665.D
Acq: 18 Feb 2025 17:00

Tgt Ion:164 Resp: 170667

Ion	Ratio	Lower	Upper
164	100		
162	100.5	81.3	121.9
160	45.4	35.9	53.9



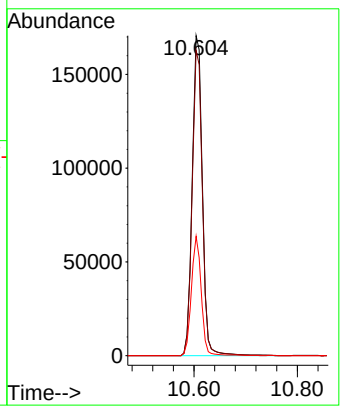


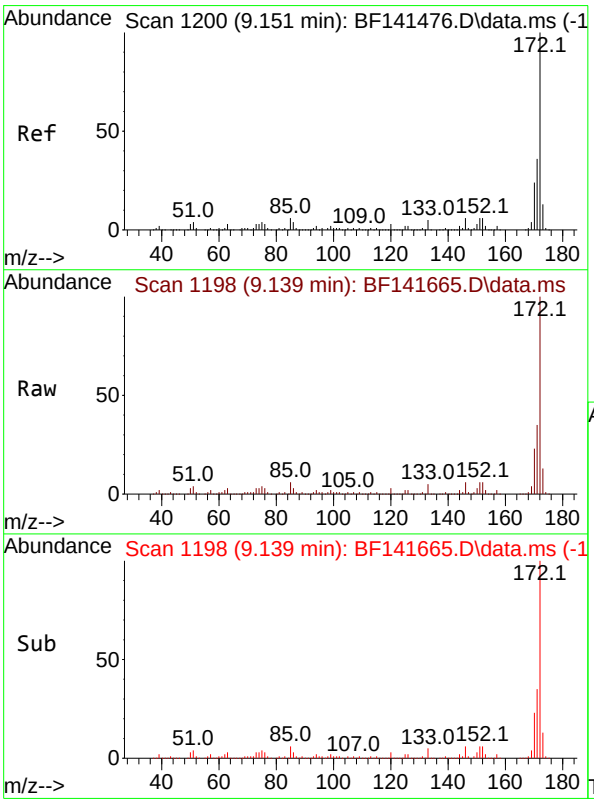
#42
2,4,6-Tribromophenol
Concen: 136.069 ng
RT: 10.604 min Scan# 14
Delta R.T. -0.023 min
Lab File: BF141665.D
Acq: 18 Feb 2025 17:00

Instrument :
BNA_F
ClientSampleId :
VDR25992

Tgt Ion:330 Resp: 233281

Ion	Ratio	Lower	Upper
330	100		
332	95.3	78.5	117.7
141	36.4	31.0	46.4

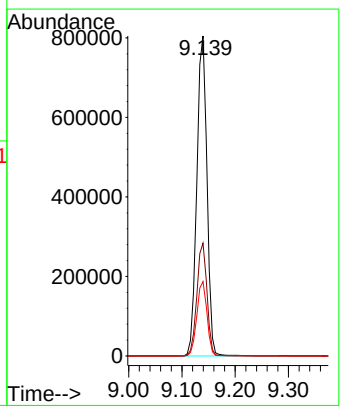


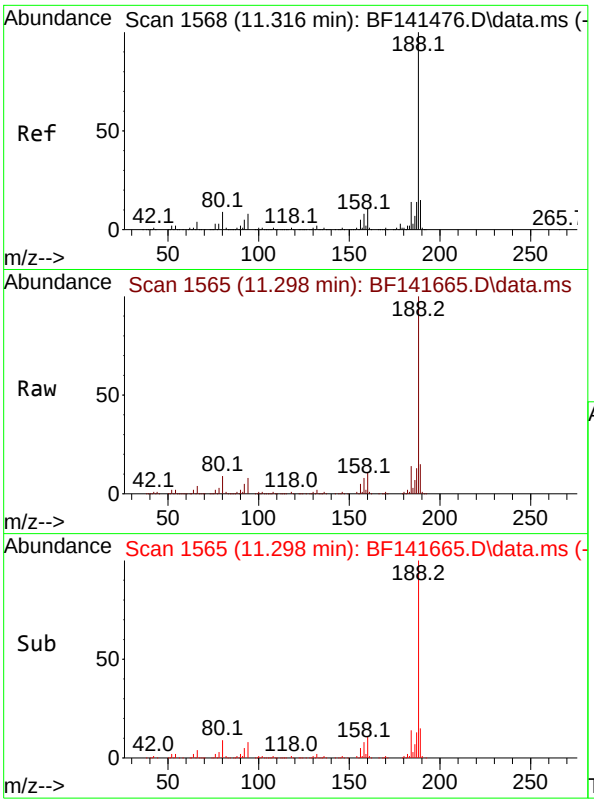


#45
2-Fluorobiphenyl
Concen: 96.072 ng
RT: 9.139 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF141665.D
Acq: 18 Feb 2025 17:00

Tgt Ion:172 Resp: 1064251

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.7	43.1
170	23.3	18.9	28.3



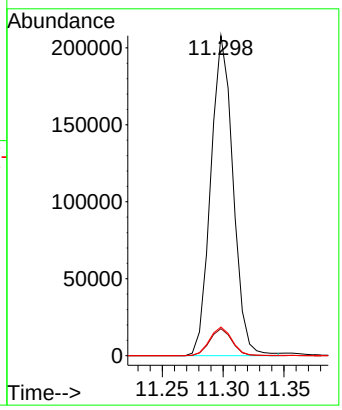


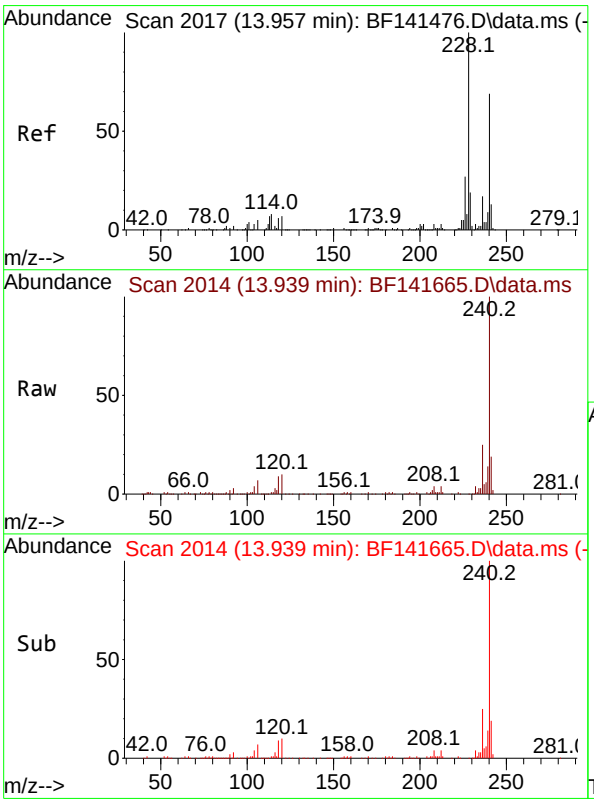
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141665.D
Acq: 18 Feb 2025 17:00

Instrument :
BNA_F
ClientSampleId :
VDR25992

Tgt Ion:188 Resp: 265244

Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.6	10.0
80	8.9	7.3	10.9

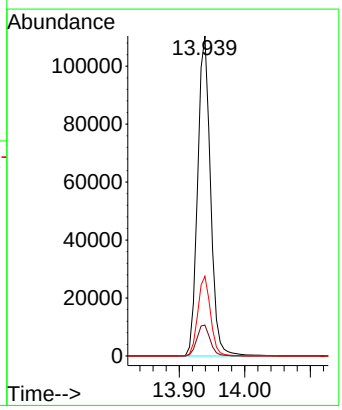


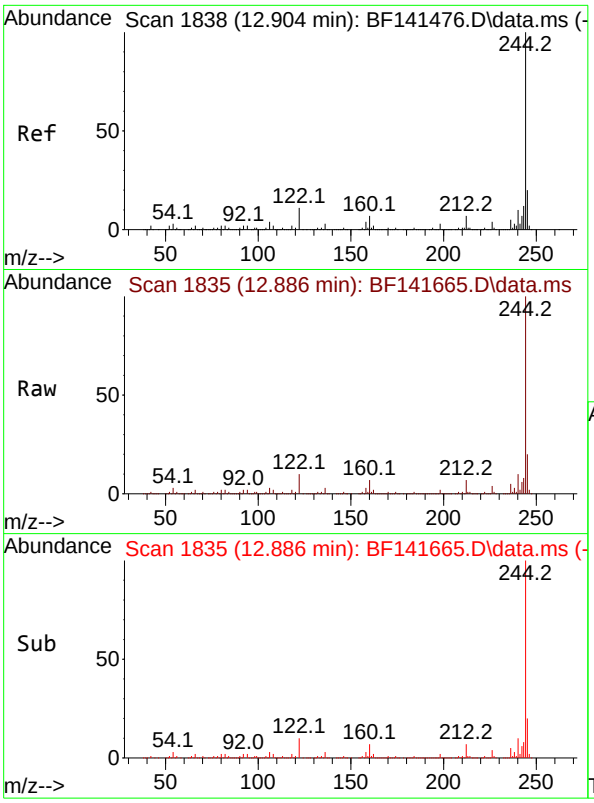


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2014
Delta R.T. -0.023 min
Lab File: BF141665.D
Acq: 18 Feb 2025 17:00

Tgt Ion:240 Resp: 150925

Ion	Ratio	Lower	Upper
240	100		
120	9.6	8.0	12.0
236	24.9	19.8	29.8



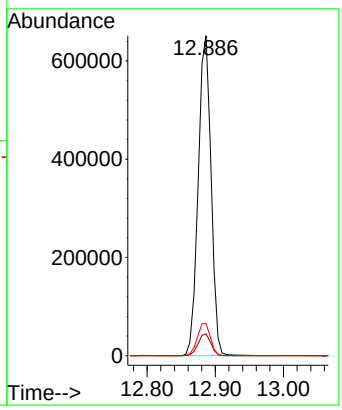


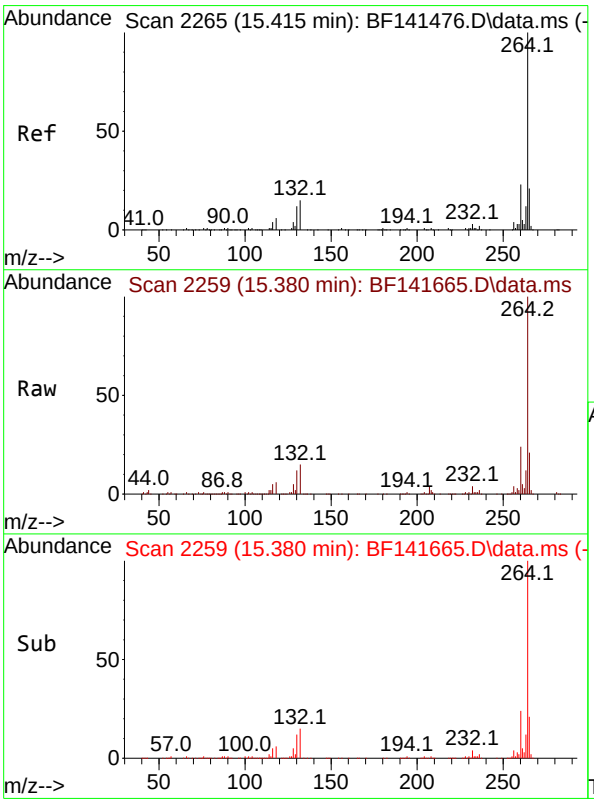
#79
Terphenyl-d14
Concen: 95.552 ng
RT: 12.886 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141665.D
Acq: 18 Feb 2025 17:00

Instrument :
BNA_F
ClientSampleId :
VDR25992

Tgt Ion:244 Resp: 854251

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.6	8.4
122	10.0	8.4	12.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.380 min Scan# 2259
Delta R.T. -0.035 min
Lab File: BF141665.D
Acq: 18 Feb 2025 17:00

Tgt Ion:264 Resp: 174949

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.6	28.0
265	21.1	17.0	25.4