Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032025\
Data File : BF142018.D
Acq On : 20 Mar 2025 18:35
Operator : RC/JU
Sample : Q1606-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CHRT28607

Quant Time: Mar 21 01:07:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	141938	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	464911	20.000	ng	# 0.00
39) Acenaphthene-d10	9.910	164	208535	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	314848	20.000	ng	0.00
76) Chrysene-d12	14.033	240	335250	20.000	ng	0.00
86) Perylene-d12	15.510	264	237631	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	887293	104.331	ng	0.00
7) Phenol-d6	6.499	99	1045621	96.565	ng	0.00
23) Nitrobenzene-d5	7.434	82	655731	79.374	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	240002	90.719	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	878150	64.042	ng	0.00
79) Terphenyl-d14	12.980	244	909433	40.106	ng	0.00
Target Compounds						Qvalue
18) Hexachloroethane	7.404	117	24699	6.393	ng	# 1
25) Isophorone	7.775	82	80759	5.530	ng	# 62
31) Naphthalene	8.175	128	245533	10.281	ng	# 93
33) 4-Chloroaniline	8.175	127	40103	4.757	ng	# 50
35) Caprolactam	8.581	113	54163	25.788	ng	# 40
38) 1-Methylnaphthalene	8.969	142	273584	17.761	ng	97
52) Acenaphthene	9.945	154	62583	5.081	ng	# 70
54) 2,4-Dinitrophenol	10.128	184	2984	8.159	ng	# 1
55) Dibenzofuran	10.116	168	40160	2.282	ng	# 1
56) 4-Nitrophenol	10.016	139	46948	20.185	ng	# 52
57) 2,4-Dinitrotoluene	10.116	165	25497	6.420	ng	# 57
58) Fluorene	10.463	166	92298	6.801	ng	# 81
63) Azobenzene	10.622	77	85151	6.290	ng	# 1
66) n-Nitrosodiphenylamine	10.569	169	243290	23.879	ng	# 50
67) 4-Bromophenyl-phenylether	10.698	248	14467	3.659	ng	# 1
71) Phenanthrene	11.422	178	246692	14.506	ng	# 95
75) Fluoranthene	12.610	202	89881	4.982	ng	97
78) Pyrene	12.839	202	103034	3.553	ng	96
81) Benzo(a)anthracene	14.022	228	60086	2.731	ng	# 91
83) Chrysene	14.057	228	51038	2.559	ng	# 93
88) Benzo(b)fluoranthene	15.074	252	70485	4.328	ng	# 77
89) Benzo(k)fluoranthene	15.074	252	70485	5.057	ng	# 78
90) Benzo(a)pyrene	15.445	252	36784	2.887	ng	# 80

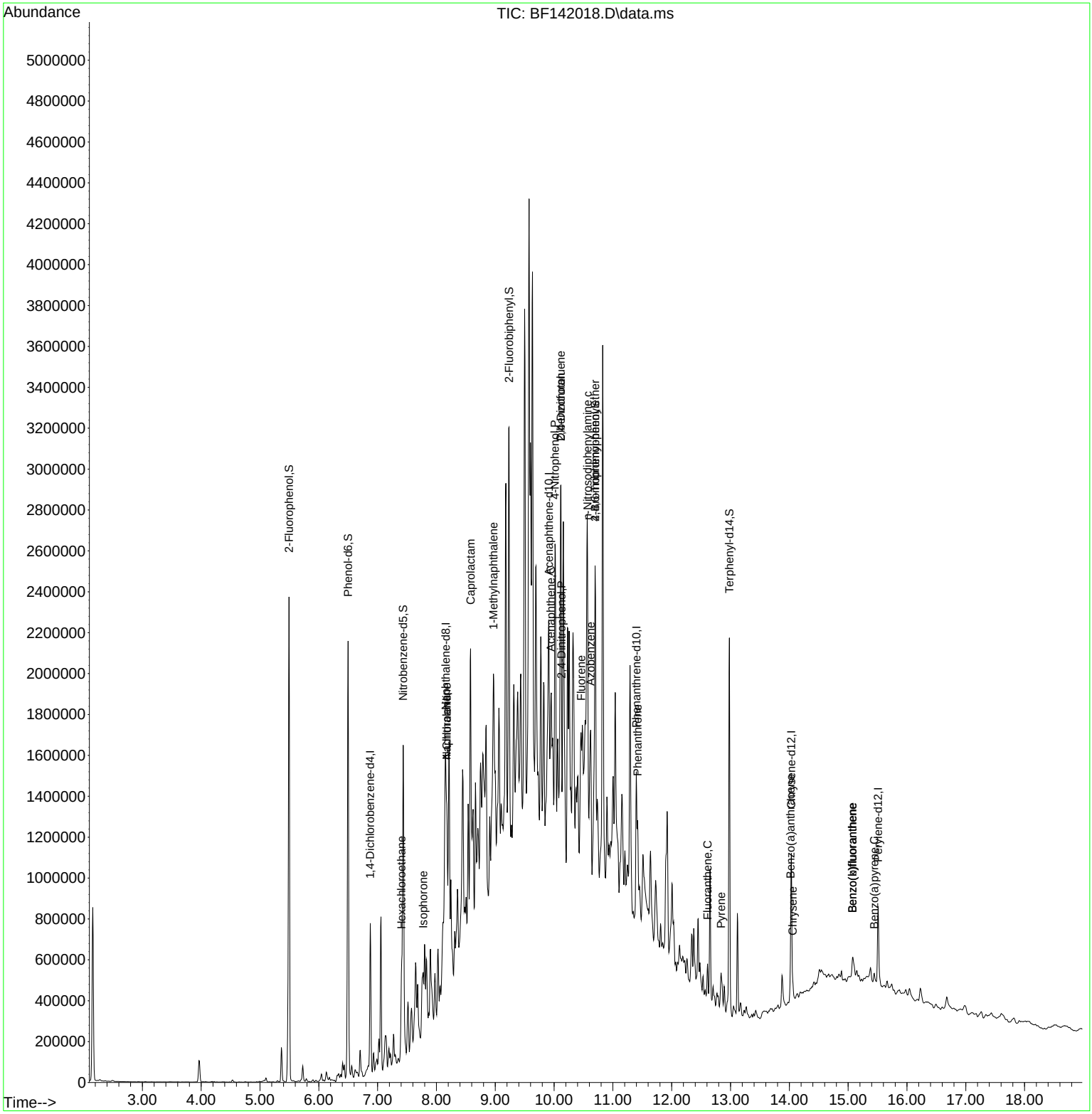
(#) = qualifier out of range (m) = manual integration (+) = signals summed

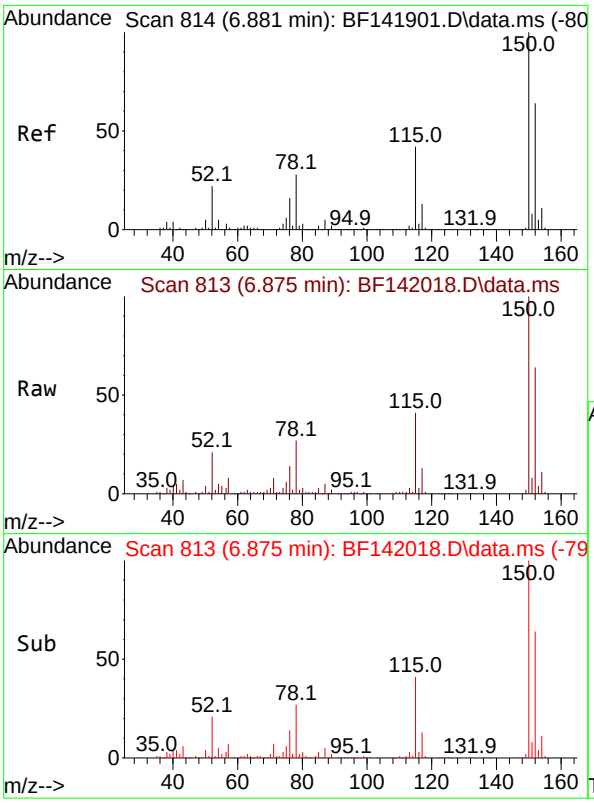
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032025\
Data File : BF142018.D
Acq On : 20 Mar 2025 18:35
Operator : RC/JU
Sample : Q1606-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CHRT28607

Quant Time: Mar 21 01:07:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration



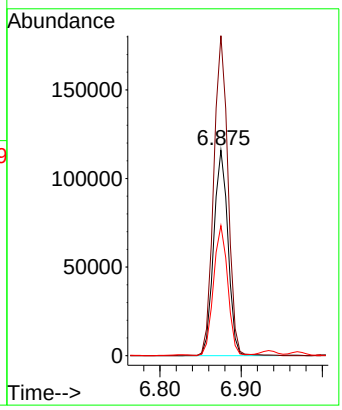


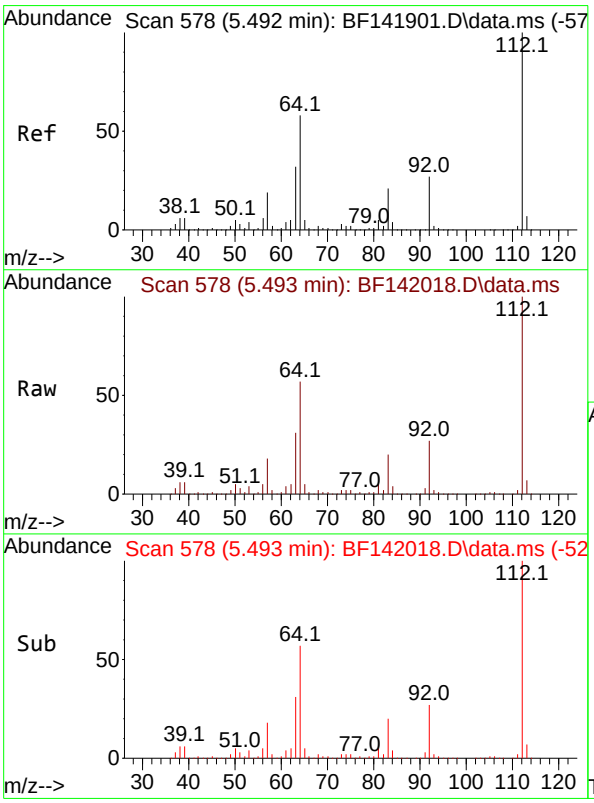
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142018.D
Acq: 20 Mar 2025 18:35

Instrument :
BNA_F
ClientSampleId :
CHRT28607

Tgt Ion:152 Resp: 141938

Ion	Ratio	Lower	Upper
152	100		
150	155.8	127.4	191.2
115	63.3	51.9	77.9

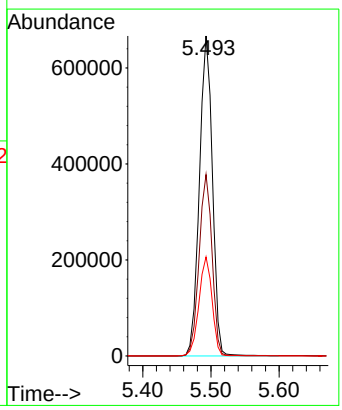


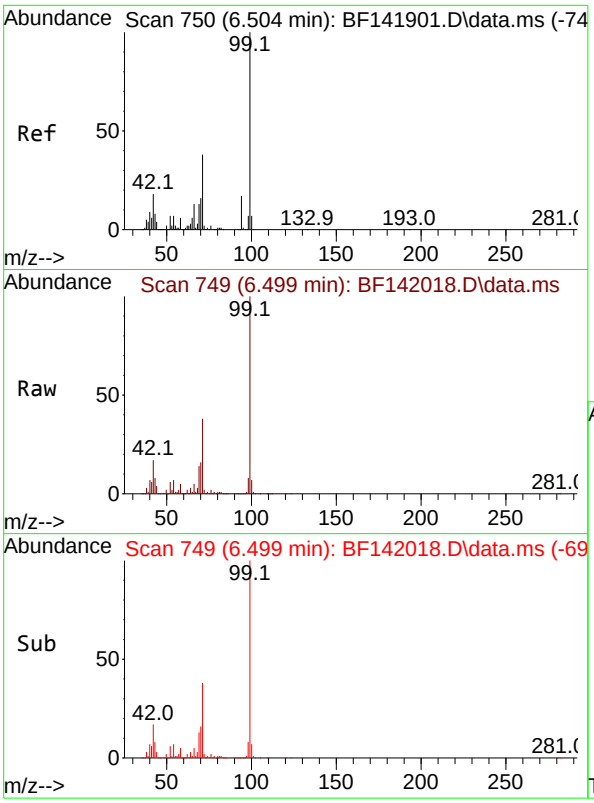


#5
2-Fluorophenol
Concen: 104.331 ng
RT: 5.493 min Scan# 578
Delta R.T. 0.000 min
Lab File: BF142018.D
Acq: 20 Mar 2025 18:35

Tgt Ion:112 Resp: 887293

Ion	Ratio	Lower	Upper
112	100		
64	56.7	46.5	69.7
63	30.9	25.4	38.2



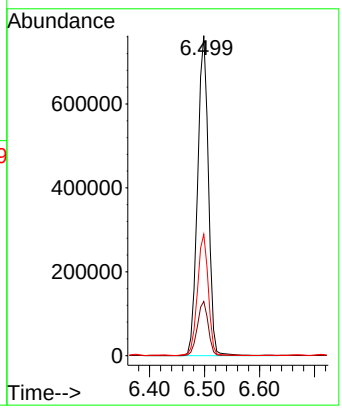


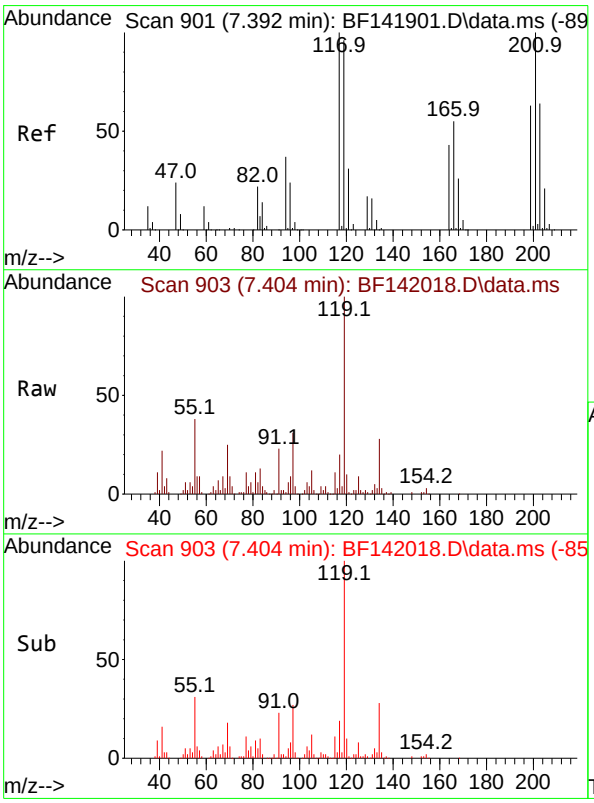
#7
Phenol-d6
Concen: 96.565 ng
RT: 6.499 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142018.D
Acq: 20 Mar 2025 18:35

Instrument :
BNA_F
ClientSampleId :
CHRT28607

Tgt Ion: 99 Resp: 1045621

Ion	Ratio	Lower	Upper
99	100		
42	17.0	14.6	21.8
71	38.0	30.8	46.2

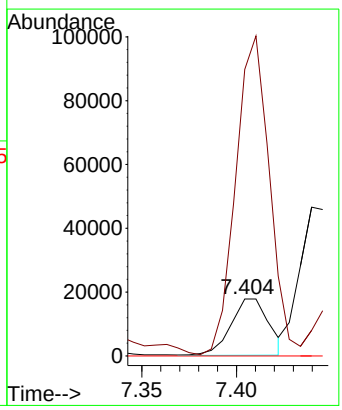


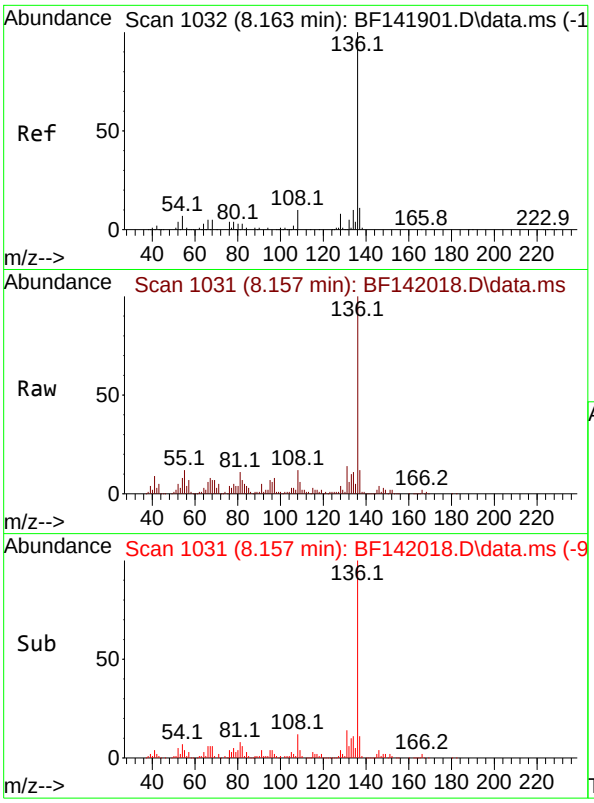


#18
Hexachloroethane
Concen: 6.393 ng
RT: 7.404 min Scan# 903
Delta R.T. 0.012 min
Lab File: BF142018.D
Acq: 20 Mar 2025 18:35

Tgt Ion:117 Resp: 24699

Ion	Ratio	Lower	Upper
117	100		
119	503.0	76.9	115.3#
201	0.0	79.9	119.9#



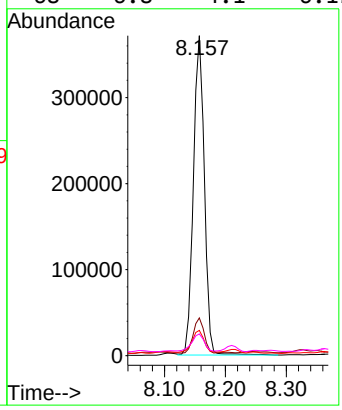


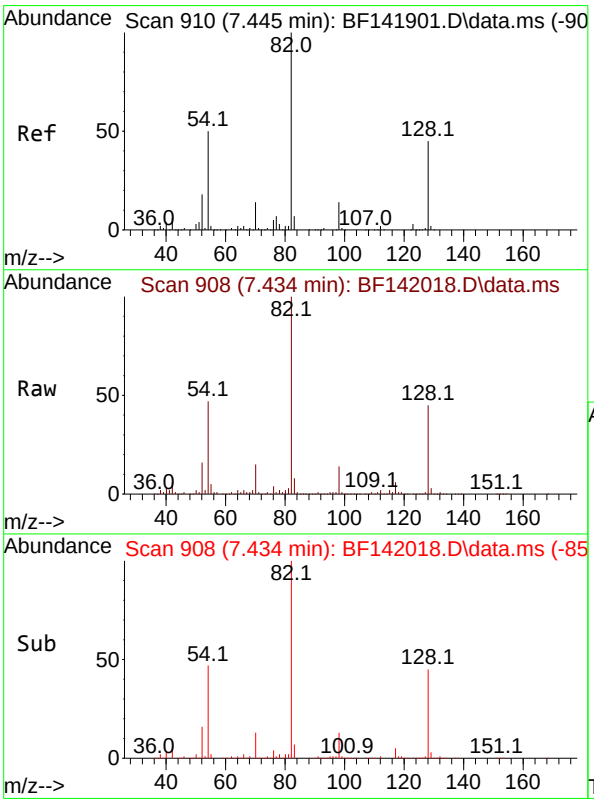
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142018.D
Acq: 20 Mar 2025 18:35

Instrument :
BNA_F
ClientSampleId :
CHRT28607

Tgt Ion:136 Resp: 464911

Ion	Ratio	Lower	Upper
136	100		
137	11.8	8.8	13.2
54	7.9	5.8	8.8
68	6.8	4.1	6.1#

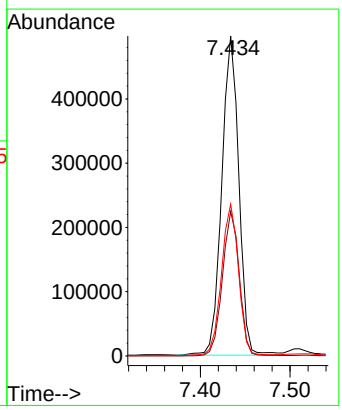


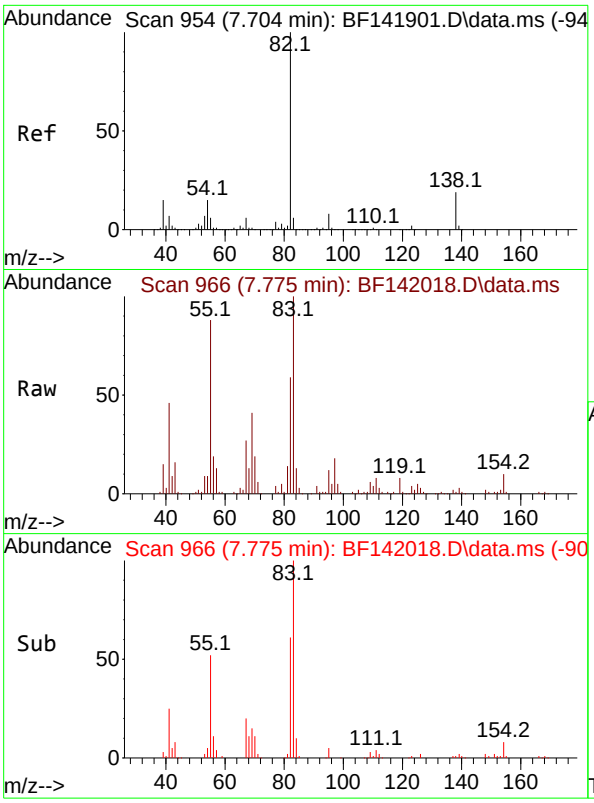


#23
Nitrobenzene-d5
Concen: 79.374 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF142018.D
Acq: 20 Mar 2025 18:35

Tgt Ion: 82 Resp: 655731

Ion	Ratio	Lower	Upper
82	100		
128	45.1	36.0	54.0
54	47.5	39.6	59.4



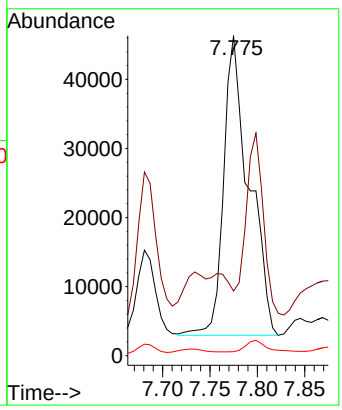


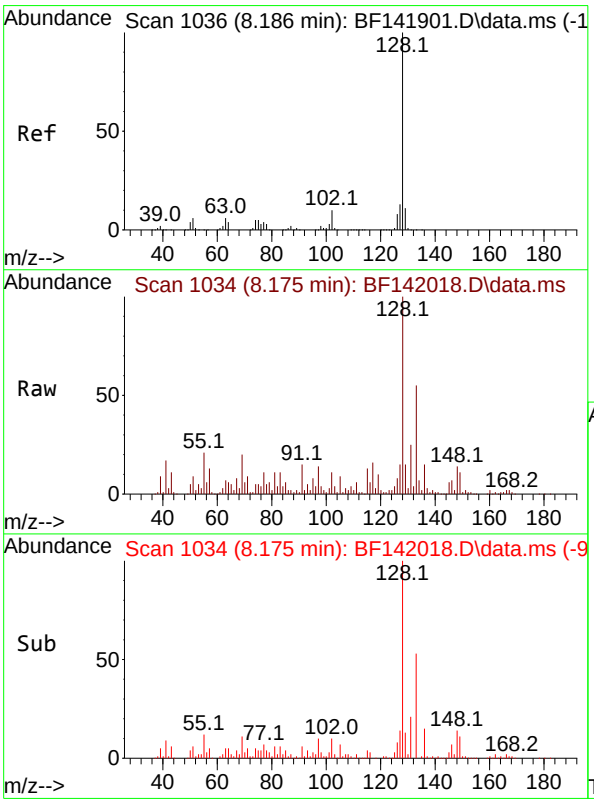
#25
Isophorone
Concen: 5.530 ng
RT: 7.775 min Scan# 9
Delta R.T. 0.071 min
Lab File: BF142018.D
Acq: 20 Mar 2025 18:35

Instrument :
BNA_F
ClientSampleId :
CHRT28607

Tgt Ion: 82 Resp: 80759

Ion	Ratio	Lower	Upper
82	100		
95	20.2	6.4	9.6#
138	1.2	14.9	22.3#

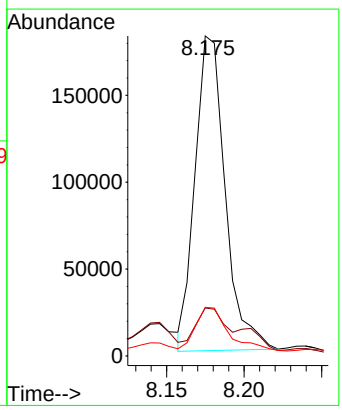


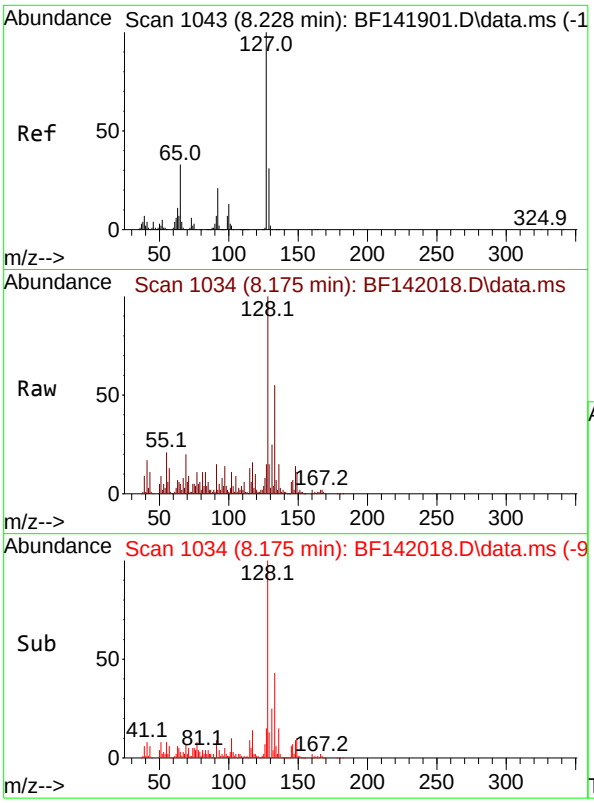


#31
Naphthalene
Concen: 10.281 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.011 min
Lab File: BF142018.D
Acq: 20 Mar 2025 18:35

Tgt Ion:128 Resp: 245533

Ion	Ratio	Lower	Upper
128	100		
129	15.0	9.0	13.6#
127	15.2	10.8	16.2



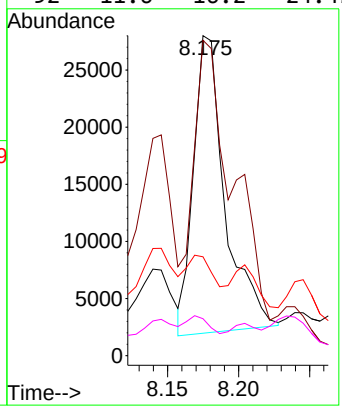


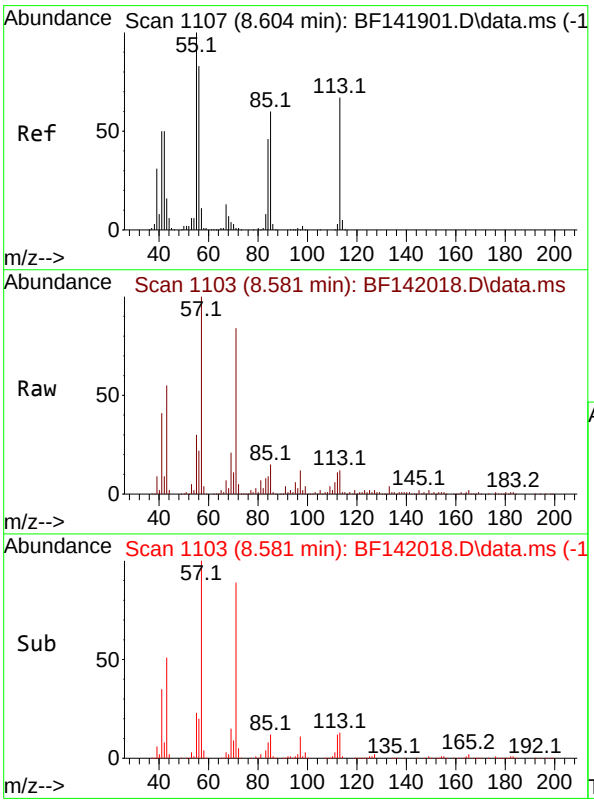
#33
4-Chloroaniline
Concen: 4.757 ng
RT: 8.175 min Scan# 1
Delta R.T. -0.053 min
Lab File: BF142018.D
Acq: 20 Mar 2025 18:35

Instrument :
BNA_F
ClientSampleId :
CHRT28607

Tgt Ion:127 Resp: 40103

Ion	Ratio	Lower	Upper
127	100		
129	98.6	26.2	39.4#
65	30.9	25.4	38.2
92	11.6	16.2	24.4#

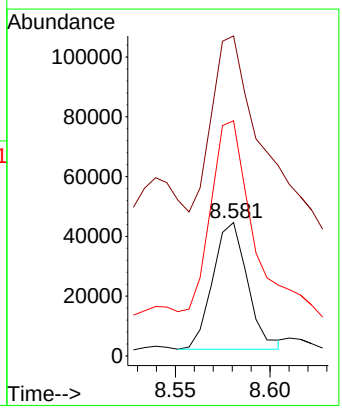


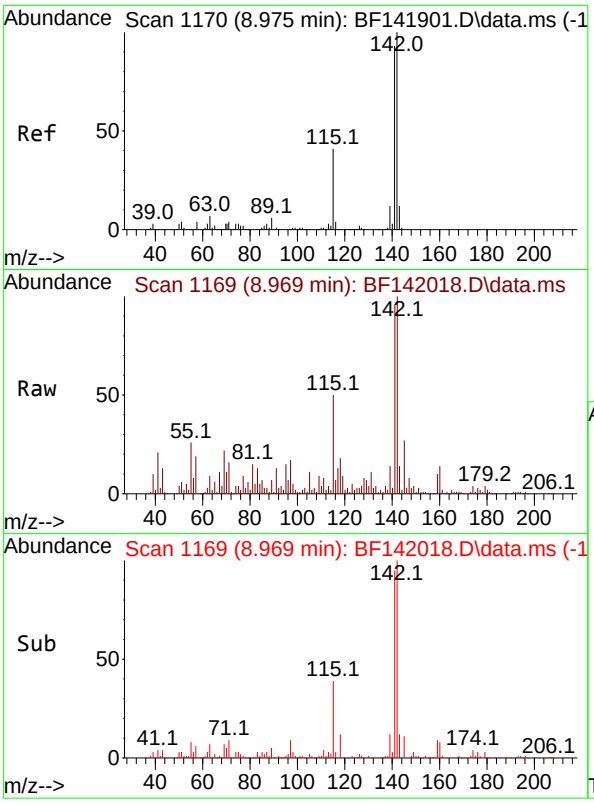


#35
Caprolactam
Concen: 25.788 ng
RT: 8.581 min Scan# 1103
Delta R.T. -0.023 min
Lab File: BF142018.D
Acq: 20 Mar 2025 18:35

Tgt Ion:113 Resp: 54163

Ion	Ratio	Lower	Upper
113	100		
55	239.9	129.6	169.6#
56	176.4	104.0	144.0#



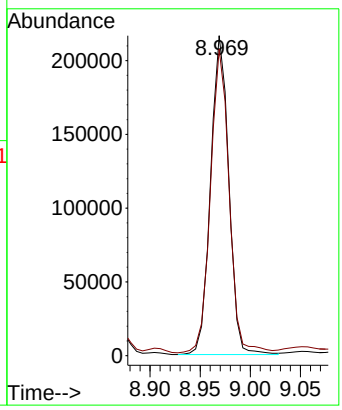


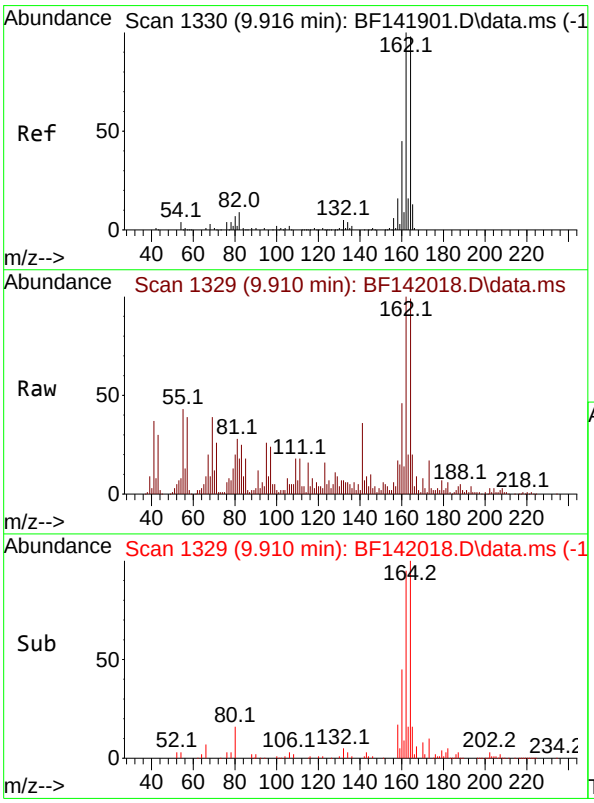
#38
1-Methylnaphthalene
Concen: 17.761 ng
RT: 8.969 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142018.D
Acq: 20 Mar 2025 18:35

Instrument :
BNA_F
ClientSampleId :
CHRT28607

Tgt Ion:142 Resp: 273584

Ion	Ratio	Lower	Upper
142	100		
141	95.8	74.2	111.4

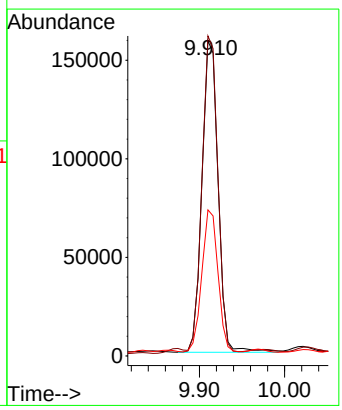


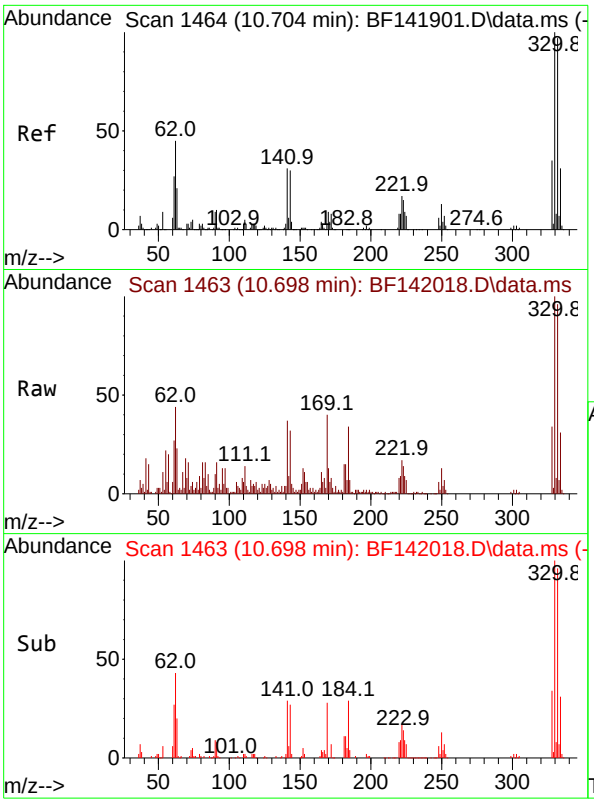


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF142018.D
Acq: 20 Mar 2025 18:35

Tgt Ion:164 Resp: 208535

Ion	Ratio	Lower	Upper
164	100		
162	101.5	81.8	122.6
160	46.3	36.7	55.1



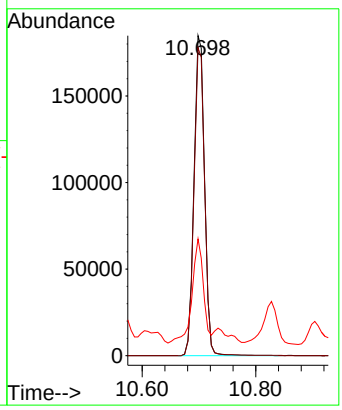


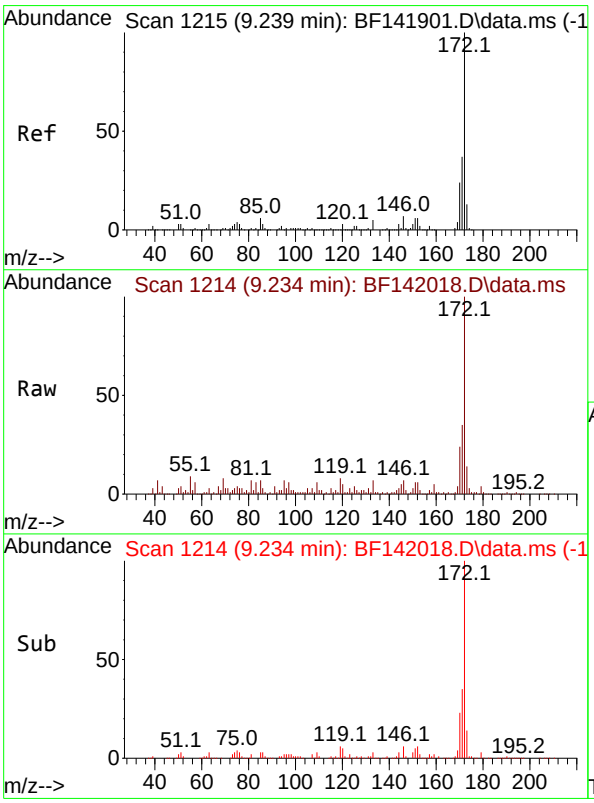
#42
2,4,6-Tribromophenol
Concen: 90.719 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142018.D
Acq: 20 Mar 2025 18:35

Instrument :
BNA_F
ClientSampleId :
CHRT28607

Tgt Ion:330 Resp: 240002

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.6	116.4
141	35.0	24.7	37.1

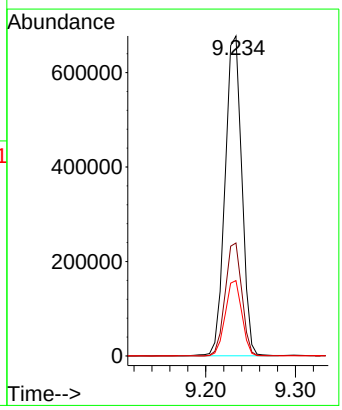


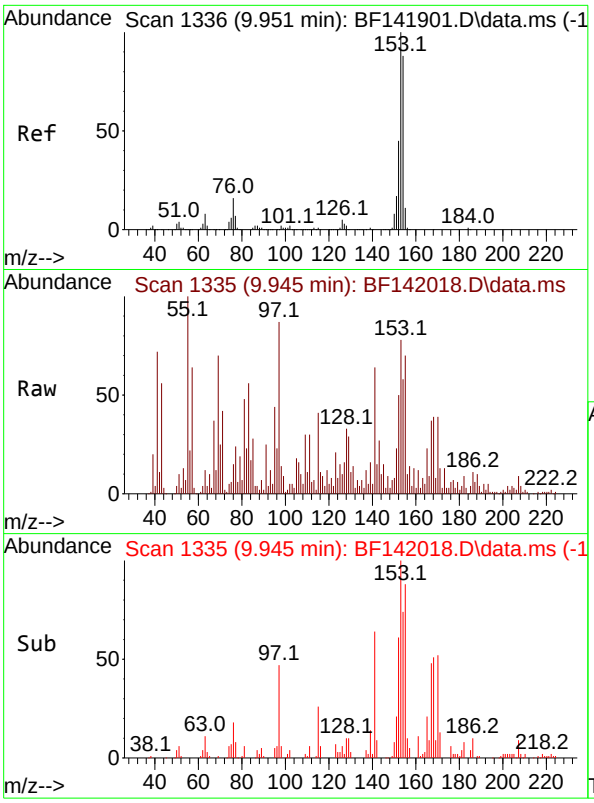


#45
2-Fluorobiphenyl
Concen: 64.042 ng
RT: 9.234 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF142018.D
Acq: 20 Mar 2025 18:35

Tgt Ion:172 Resp: 878150

Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.3	43.9
170	23.5	19.4	29.0



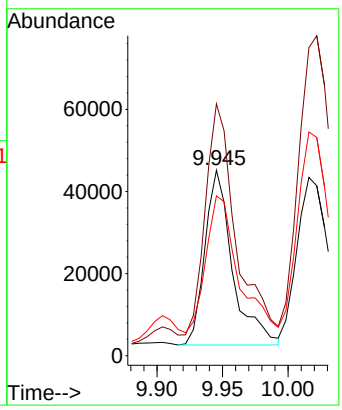


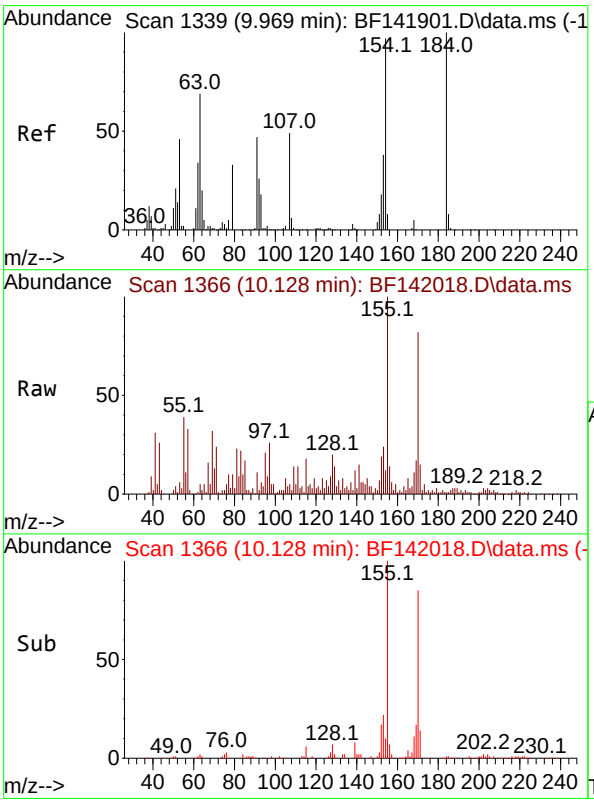
#52
Acenaphthene
Concen: 5.081 ng
RT: 9.945 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142018.D
Acq: 20 Mar 2025 18:35

Instrument :
BNA_F
ClientSampleId :
CHRT28607

Tgt Ion:154 Resp: 62583

Ion	Ratio	Lower	Upper
154	100		
153	135.8	90.7	136.1
152	86.2	41.1	61.7#

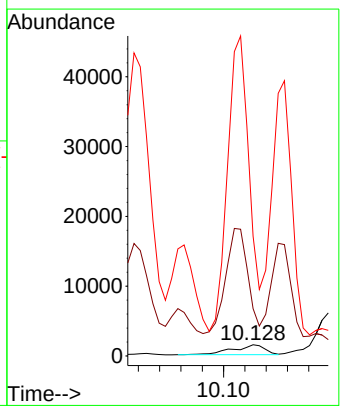


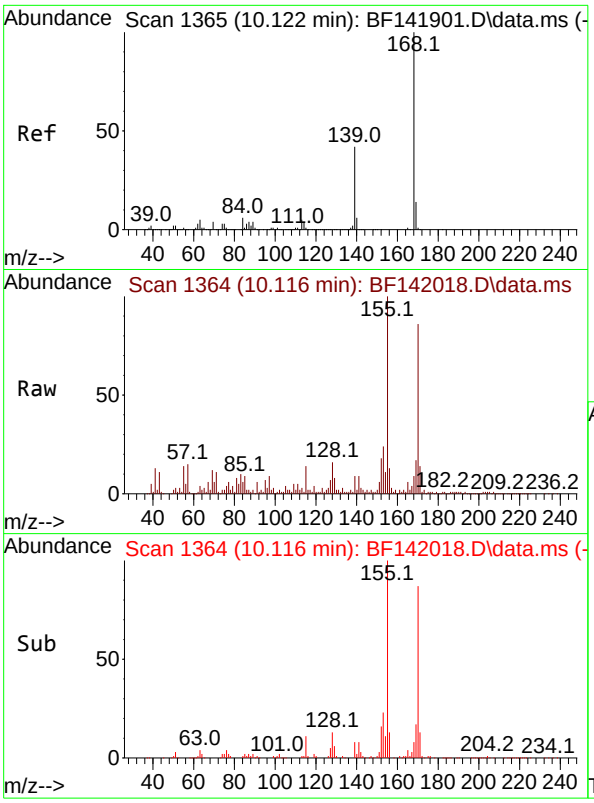


#54
2,4-Dinitrophenol
Concen: 8.159 ng
RT: 10.128 min Scan# 1366
Delta R.T. 0.159 min
Lab File: BF142018.D
Acq: 20 Mar 2025 18:35

Tgt Ion:184 Resp: 2984

Ion	Ratio	Lower	Upper
184	100		
63	424.3	60.2	90.4#
154	1074.8	132.9	199.3#



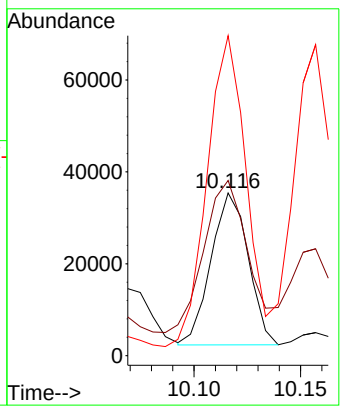


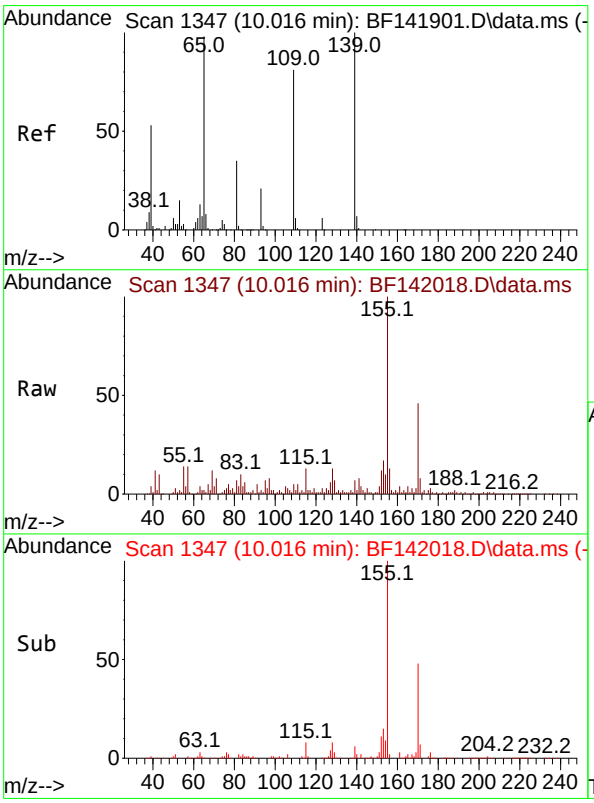
#55
Dibenzofuran
Concen: 2.282 ng
RT: 10.116 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142018.D
Acq: 20 Mar 2025 18:35

Instrument :
BNA_F
ClientSampleId :
CHRT28607

Tgt Ion:168 Resp: 40160

Ion	Ratio	Lower	Upper
168	100		
139	107.7	33.9	50.9#
169	196.7	11.0	16.4#

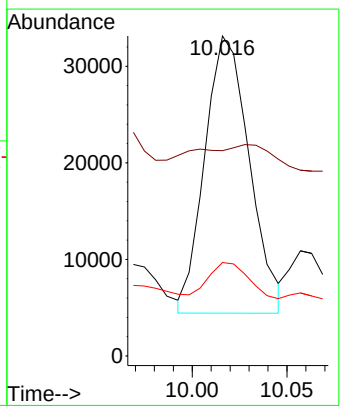


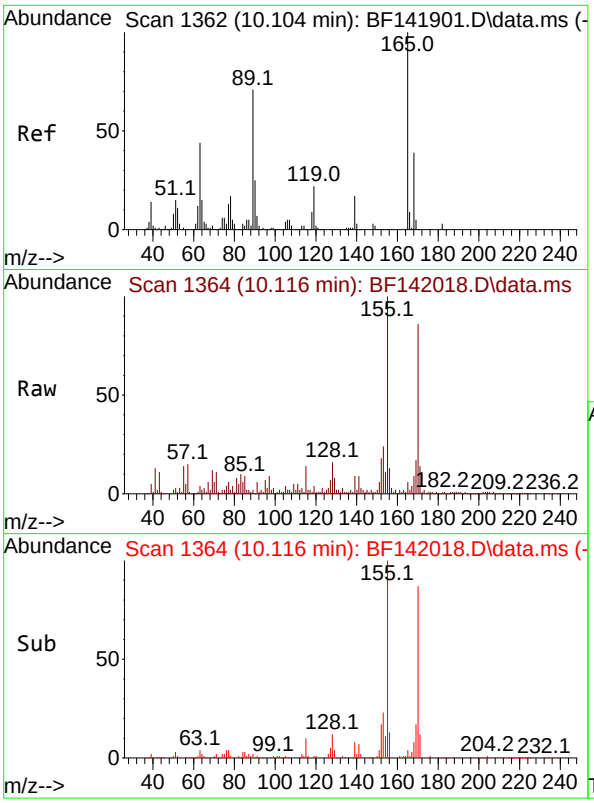


#56
4-Nitrophenol
Concen: 20.185 ng
RT: 10.016 min Scan# 1347
Delta R.T. 0.000 min
Lab File: BF142018.D
Acq: 20 Mar 2025 18:35

Tgt Ion:139 Resp: 46948

Ion	Ratio	Lower	Upper
139	100		
109	64.1	61.6	101.6
65	29.2	79.4	119.4#



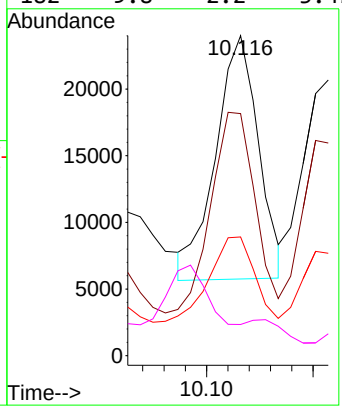


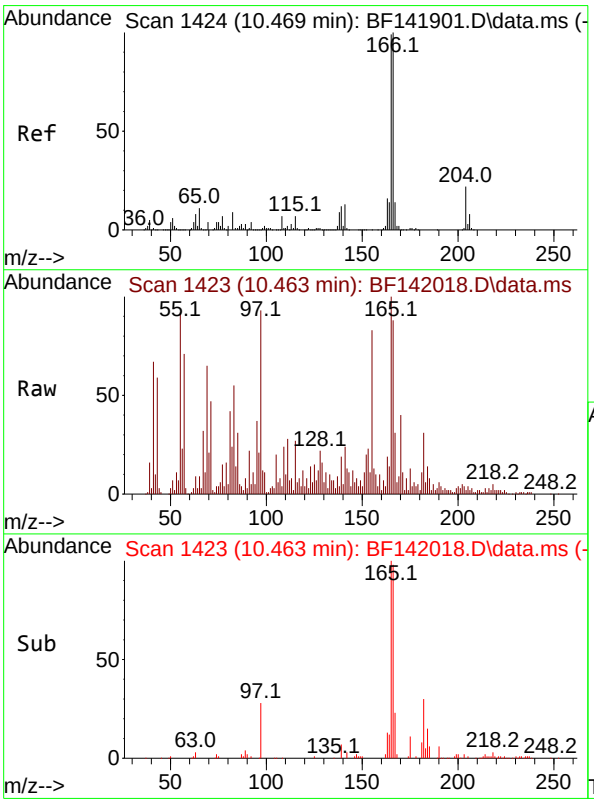
#57
2,4-Dinitrotoluene
Concen: 6.420 ng
RT: 10.116 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF142018.D
Acq: 20 Mar 2025 18:35

Instrument :
BNA_F
ClientSampleId :
CHRT28607

Tgt Ion:165 Resp: 25497

Ion	Ratio	Lower	Upper
165	100		
63	75.6	35.4	53.2#
89	37.1	56.6	84.8#
182	9.8	2.2	3.4#

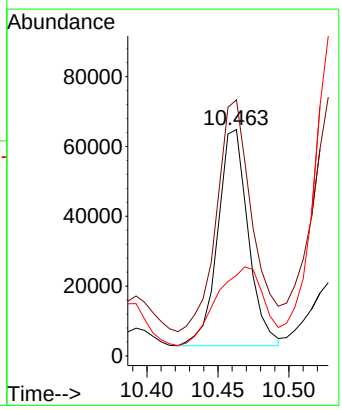


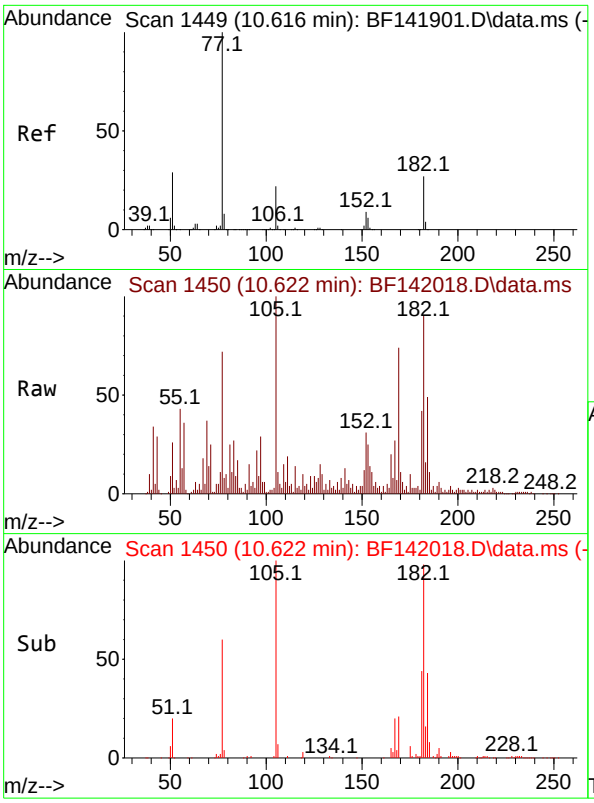


#58
Fluorene
Concen: 6.801 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF142018.D
Acq: 20 Mar 2025 18:35

Tgt Ion:166 Resp: 92298

Ion	Ratio	Lower	Upper
166	100		
165	113.1	79.0	118.4
167	35.5	11.0	16.4#



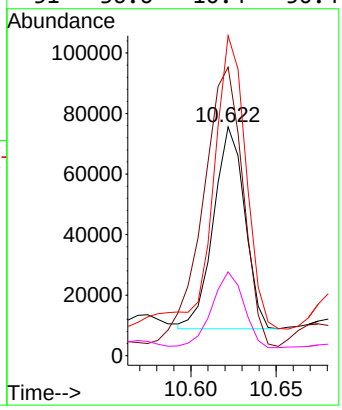


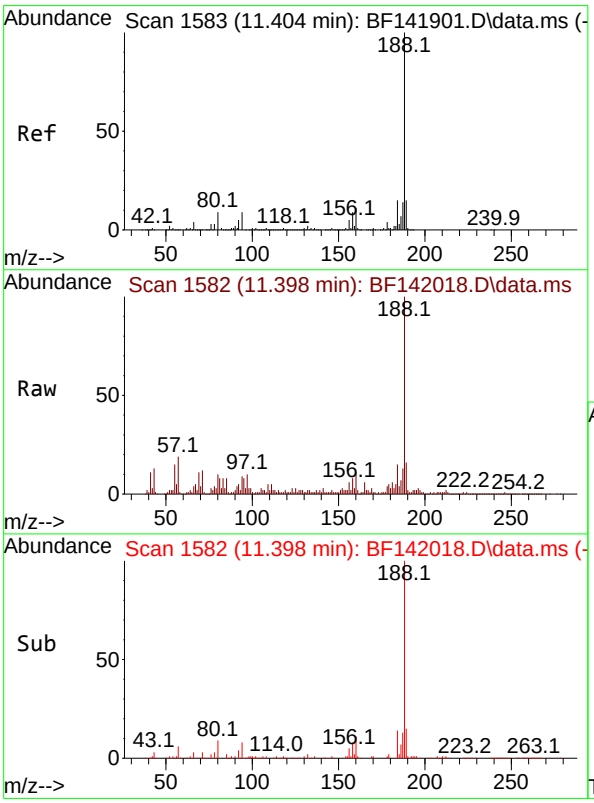
#63
Azobenzene
Concen: 6.290 ng
RT: 10.622 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF142018.D
Acq: 20 Mar 2025 18:35

Instrument :
BNA_F
ClientSampleId :
CHRT28607

Tgt Ion: 77 Resp: 85151

Ion	Ratio	Lower	Upper
77	100		
182	126.0	6.6	46.6#
105	139.8	1.3	41.3#
51	36.6	10.4	50.4

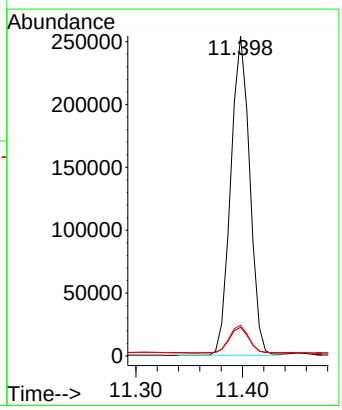


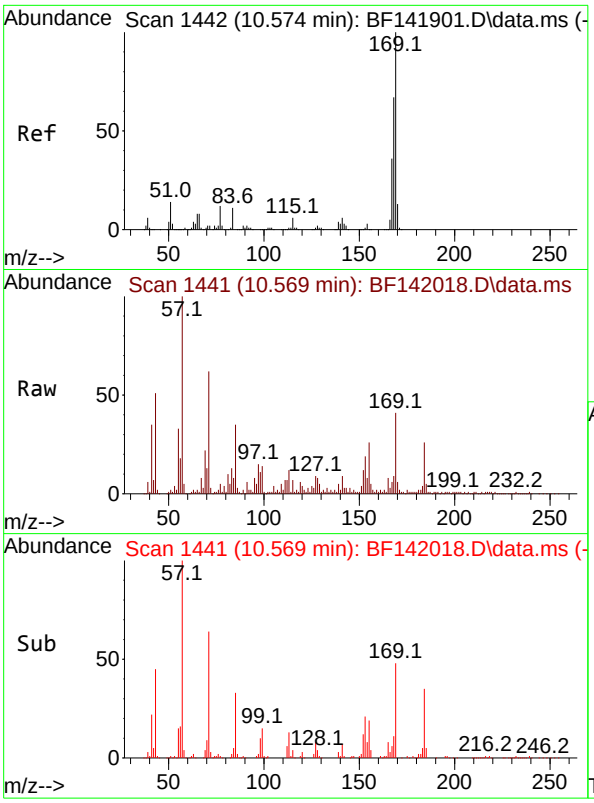


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF142018.D
Acq: 20 Mar 2025 18:35

Tgt Ion:188 Resp: 314848

Ion	Ratio	Lower	Upper
188	100		
94	8.9	6.8	10.2
80	9.6	7.6	11.4



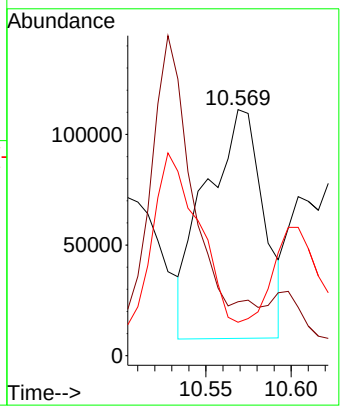


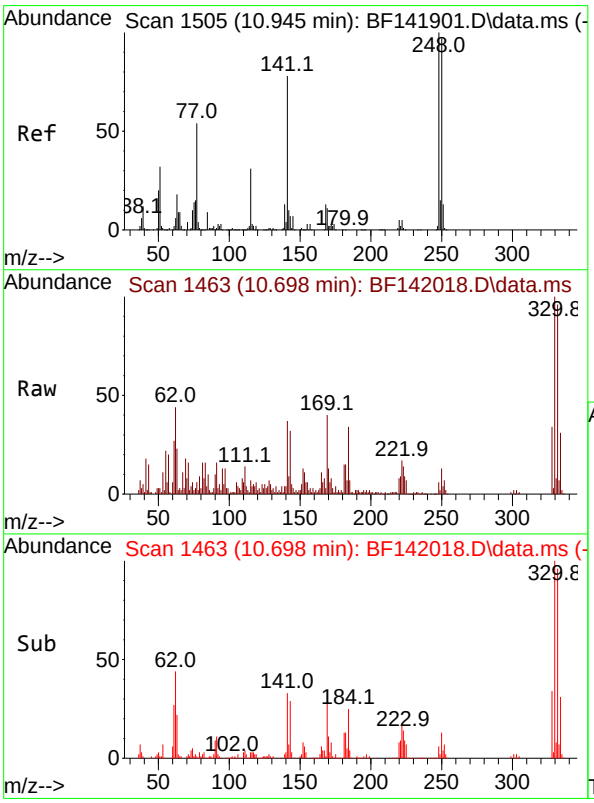
#66
n-Nitrosodiphenylamine
Concen: 23.879 ng
RT: 10.569 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142018.D
Acq: 20 Mar 2025 18:35

Instrument :
BNA_F
ClientSampleId :
CHRT28607

Tgt Ion:169 Resp: 243290

Ion	Ratio	Lower	Upper
169	100		
168	21.9	53.7	80.5#
167	13.6	29.2	43.8#

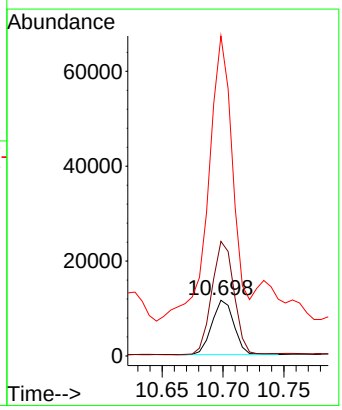


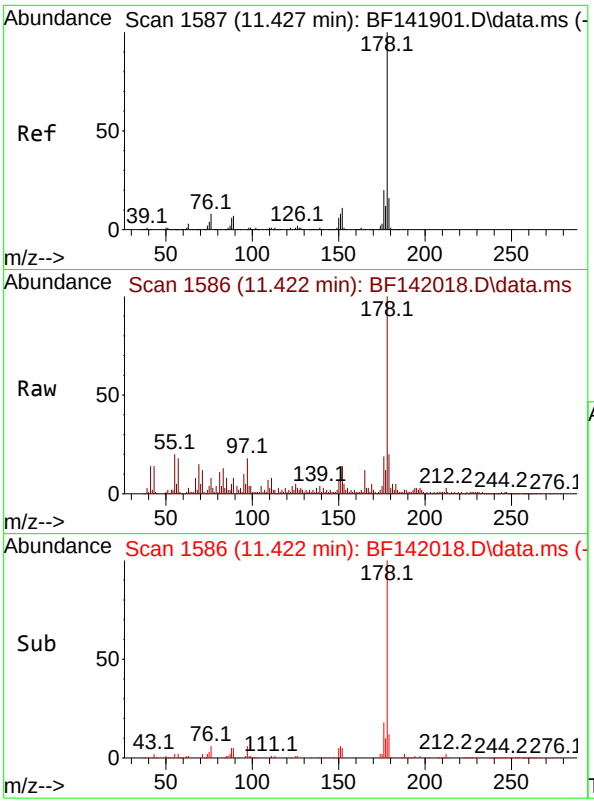


#67
4-Bromophenyl-phenylether
Concen: 3.659 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF142018.D
Acq: 20 Mar 2025 18:35

Tgt Ion:248 Resp: 14467

Ion	Ratio	Lower	Upper
248	100		
250	205.6	77.8	116.8#
141	574.2	62.6	93.8#



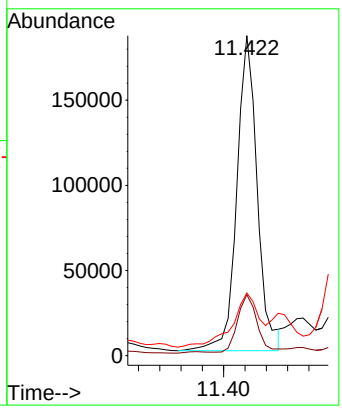


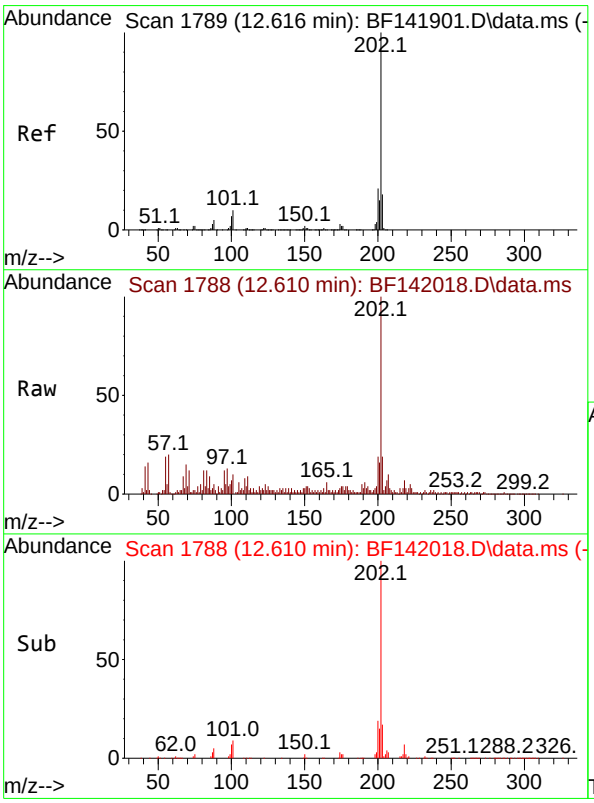
#71
Phenanthrene
Concen: 14.506 ng
RT: 11.422 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142018.D
Acq: 20 Mar 2025 18:35

Instrument :
BNA_F
ClientSampleId :
CHRT28607

Tgt Ion:178 Resp: 246692

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.8
179	19.6	12.6	19.0#

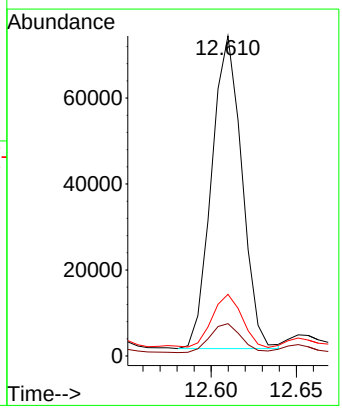


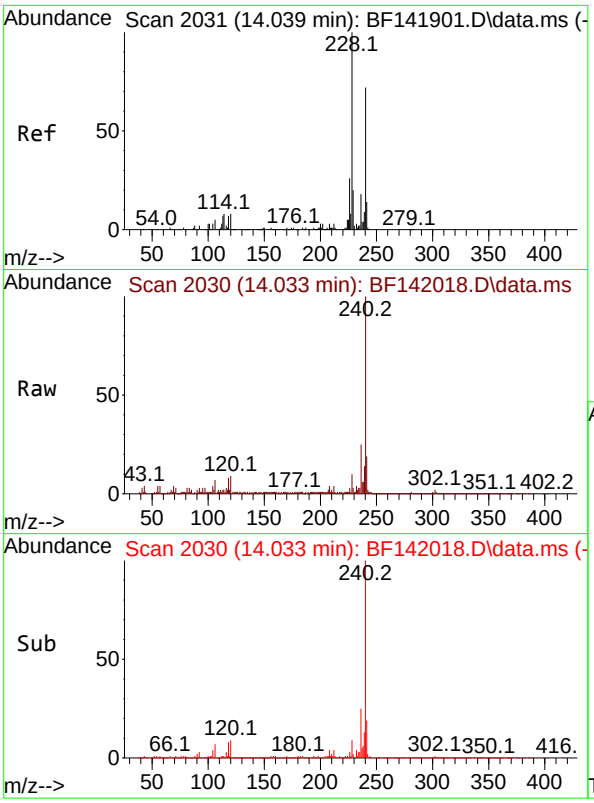


#75
Fluoranthene
Concen: 4.982 ng
RT: 12.610 min Scan# 1788
Delta R.T. -0.006 min
Lab File: BF142018.D
Acq: 20 Mar 2025 18:35

Tgt Ion:202 Resp: 89881

Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	29.7
203	19.2	0.0	37.8



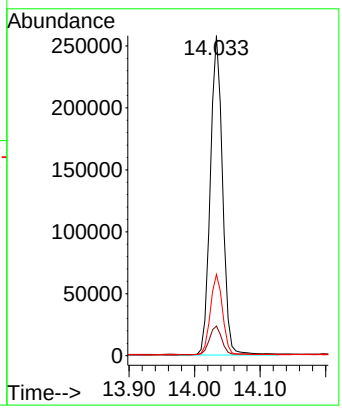


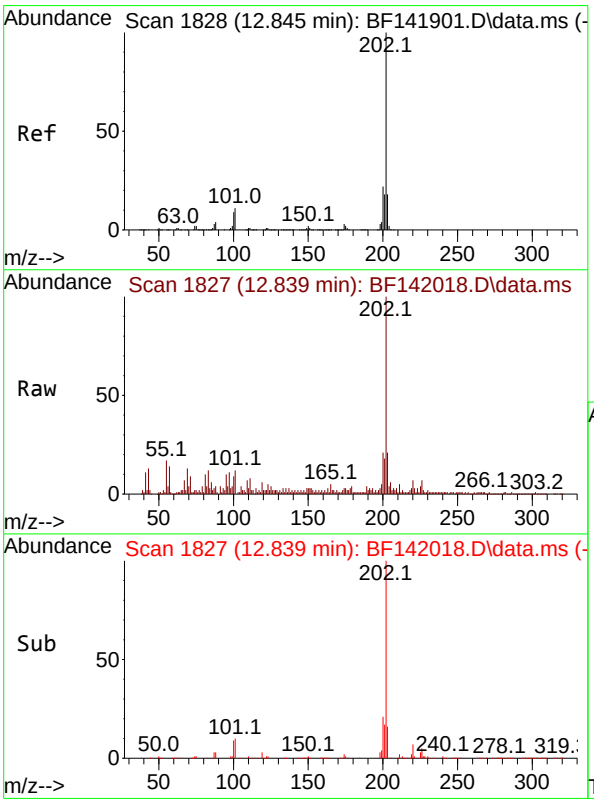
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142018.D
Acq: 20 Mar 2025 18:35

Instrument :
BNA_F
ClientSampleId :
CHRT28607

Tgt Ion:240 Resp: 335250

Ion	Ratio	Lower	Upper
240	100		
120	9.2	8.4	12.6
236	25.4	20.5	30.7

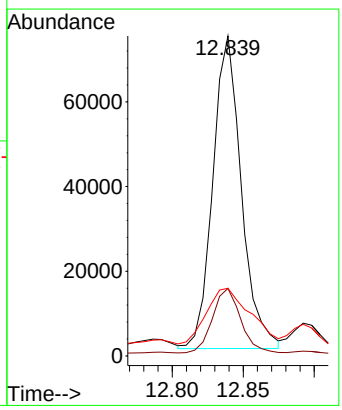


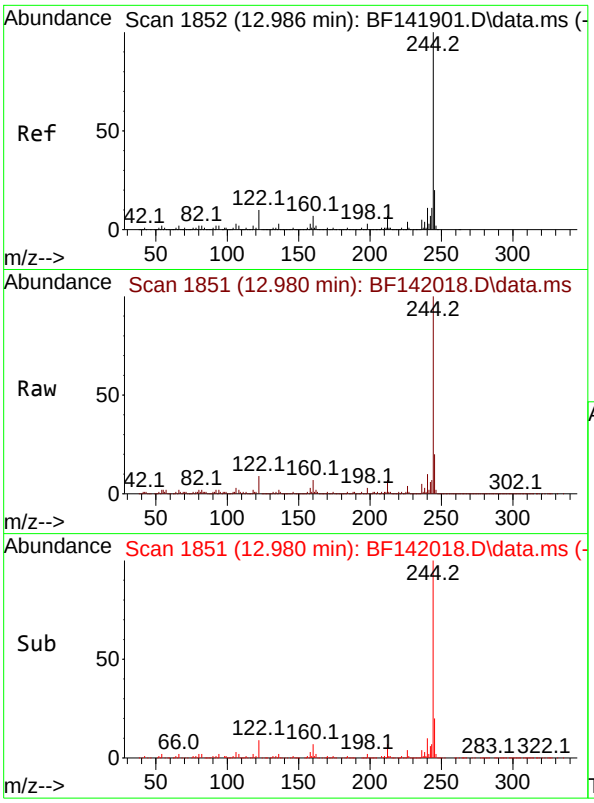


#78
Pyrene
Concen: 3.553 ng
RT: 12.839 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF142018.D
Acq: 20 Mar 2025 18:35

Tgt Ion:202 Resp: 103034

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.3	25.9
203	21.1	14.4	21.6



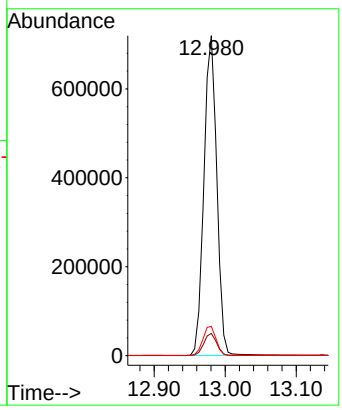


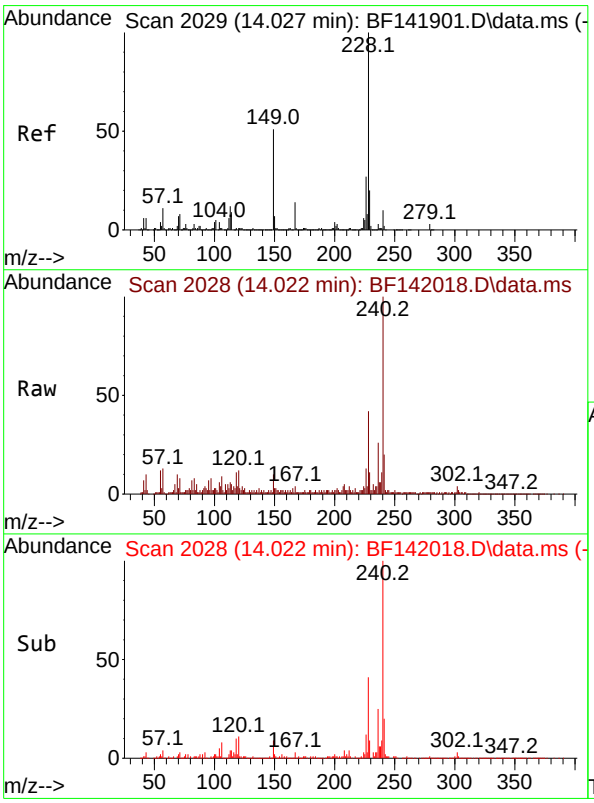
#79
Terphenyl-d14
Concen: 40.106 ng
RT: 12.980 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142018.D
Acq: 20 Mar 2025 18:35

Instrument :
BNA_F
ClientSampleId :
CHRT28607

Tgt Ion:244 Resp: 909433

Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	9.2	7.7	11.5

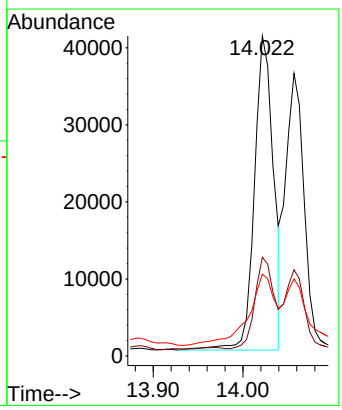


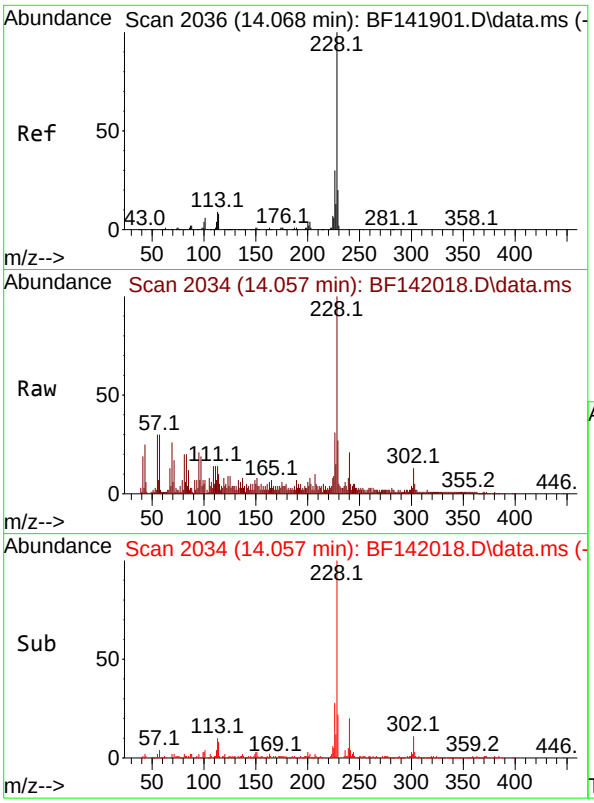


#81
Benzo(a)anthracene
Concen: 2.731 ng
RT: 14.022 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF142018.D
Acq: 20 Mar 2025 18:35

Tgt Ion:228 Resp: 60086

Ion	Ratio	Lower	Upper
228	100		
226	30.8	21.8	32.8
229	25.5	16.0	24.0#



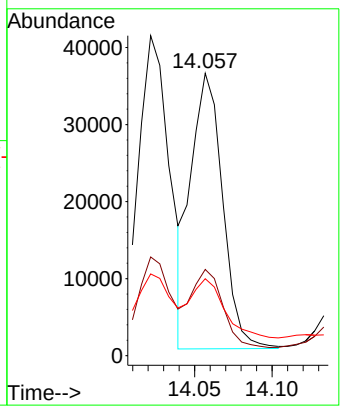


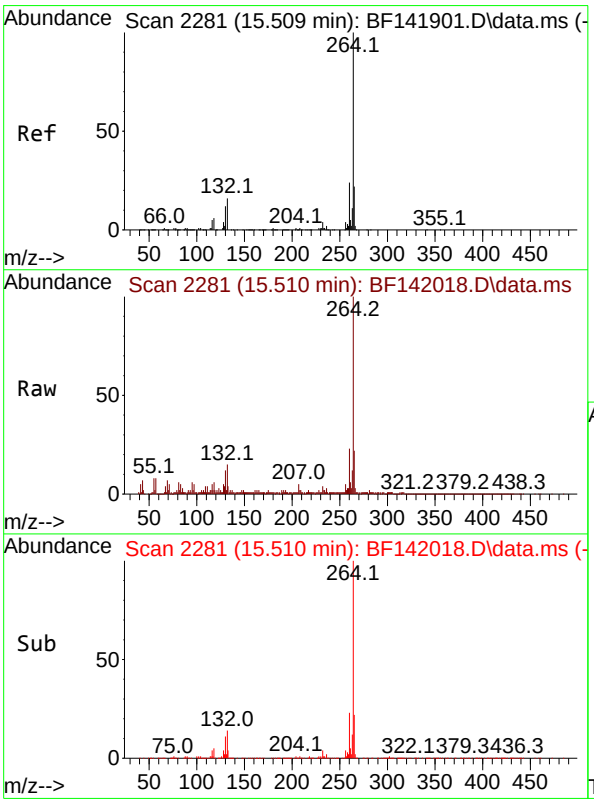
#83
Chrysene
Concen: 2.559 ng
RT: 14.057 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142018.D
Acq: 20 Mar 2025 18:35

Instrument :
BNA_F
ClientSampleId :
CHRT28607

Tgt Ion:228 Resp: 51038

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.1	36.1
229	27.2	15.7	23.5#

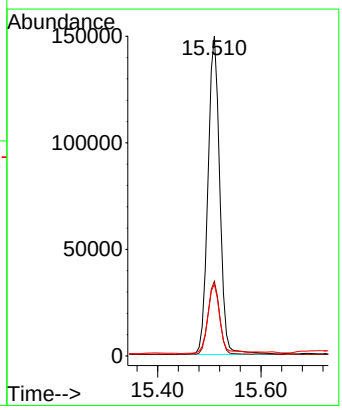


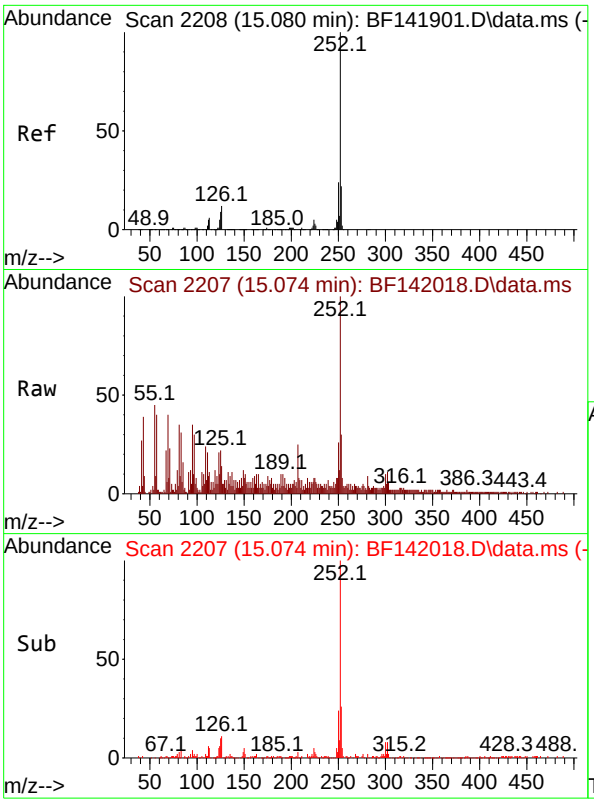


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 2281
Delta R.T. 0.000 min
Lab File: BF142018.D
Acq: 20 Mar 2025 18:35

Tgt Ion:264 Resp: 237631

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.1	28.7
265	22.4	17.5	26.3



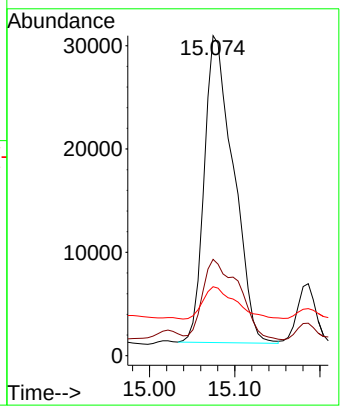


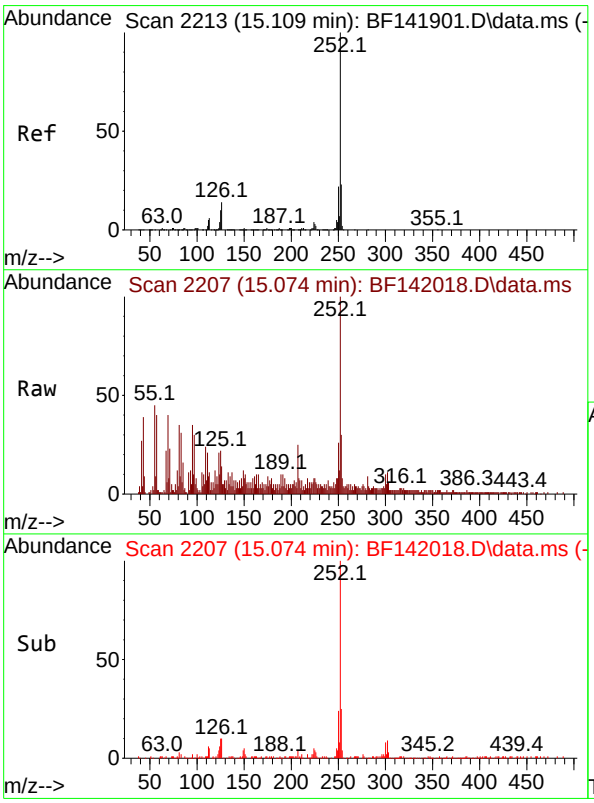
#88
Benzo(b)fluoranthene
Concen: 4.328 ng
RT: 15.074 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142018.D
Acq: 20 Mar 2025 18:35

Instrument :
BNA_F
ClientSampleId :
CHRT28607

Tgt Ion:252 Resp: 70485

Ion	Ratio	Lower	Upper
252	100		
253	30.1	17.5	26.3#
125	21.6	7.0	10.4#

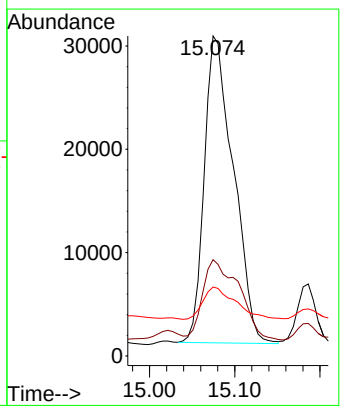


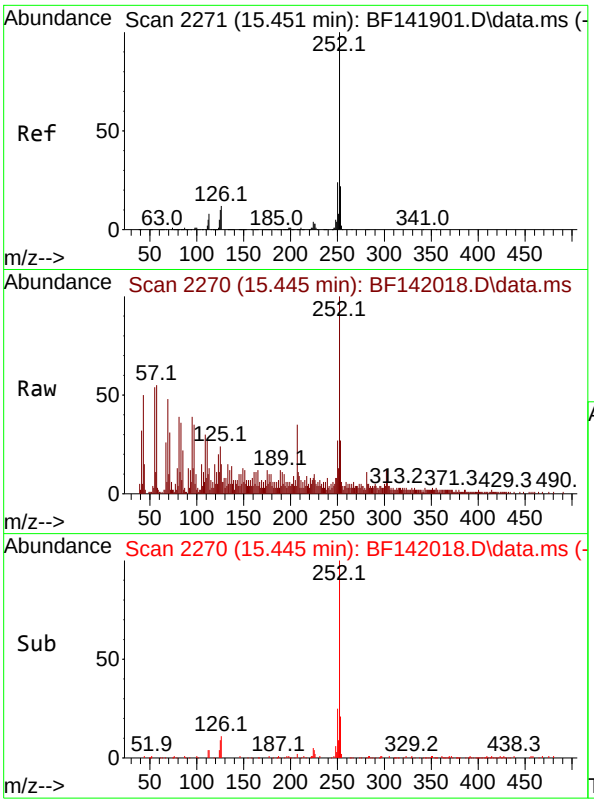


#89
Benzo(k)fluoranthene
Concen: 5.057 ng
RT: 15.074 min Scan# 2207
Delta R.T. -0.035 min
Lab File: BF142018.D
Acq: 20 Mar 2025 18:35

Tgt Ion:252 Resp: 70485

Ion	Ratio	Lower	Upper
252	100		
253	30.1	17.7	26.5#
125	21.6	7.2	10.8#





#90
Benzo(a)pyrene
Concen: 2.887 ng
RT: 15.445 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142018.D
Acq: 20 Mar 2025 18:35

Instrument :
BNA_F
ClientSampleId :
CHRT28607

Tgt Ion:252 Resp: 36784

Ion	Ratio	Lower	Upper
252	100		
253	27.1	17.4	26.0#
125	24.3	7.8	11.8#