Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
Data File : BF140480.D
Acq On : 19 Nov 2024 18:10
Operator : RC/JU
Sample : P4889-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-228

Quant Time: Nov 20 00:10:28 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.875	152	128086	20.000	ng		0.00
21) Naphthalene-d8	8.151	136	463803	20.000	ng		0.00
39) Acenaphthene-d10	9.904	164	222443	20.000	ng		-0.01
64) Phenanthrene-d10	11.398	188	352579	20.000	ng		0.00
76) Chrysene-d12	14.045	240	228634	20.000	ng		0.00
86) Perylene-d12	15.527	264	189698	20.000	ng		-0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.504	112	711749	94.876	ng		0.01
7) Phenol-d6	6.510	99	935548	92.047	ng		0.00
23) Nitrobenzene-d5	7.434	82	601219	67.540	ng		0.00
42) 2,4,6-Tribromophenol	10.698	330	173503	78.436	ng		0.00
45) 2-Fluorobiphenyl	9.228	172	1035348	74.822	ng		0.00
79) Terphenyl-d14	12.980	244	856301	65.010	ng		0.00
Target Compounds							Qvalue
52) Acenaphthene	9.939	154	30449	2.417	ng		98
58) Fluorene	10.457	166	32778	2.327	ng		97
71) Phenanthrene	11.422	178	368737	22.263	ng		100
72) Anthracene	11.469	178	92547	5.701	ng		97
73) Carbazole	11.627	167	35084	2.189	ng		99
75) Fluoranthene	12.616	202	739382	39.791	ng		99
78) Pyrene	12.845	202	692601	35.415	ng		100
81) Benzo(a)anthracene	14.033	228	339896	22.620	ng		97
83) Chrysene	14.068	228	297464	21.696	ng		98
87) Indeno(1,2,3-cd)pyrene	17.027	276	124599	10.633	ng		96
88) Benzo(b)fluoranthene	15.092	252	347470m	28.001	ng		
89) Benzo(k)fluoranthene	15.109	252	110431m	10.893	ng		
90) Benzo(a)pyrene	15.462	252	202486	21.012	ng		97
91) Dibenzo(a,h)anthracene	17.033	278	29334	3.028	ng	#	84
92) Benzo(g,h,i)perylene	17.480	276	120546	12.173	ng		96

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

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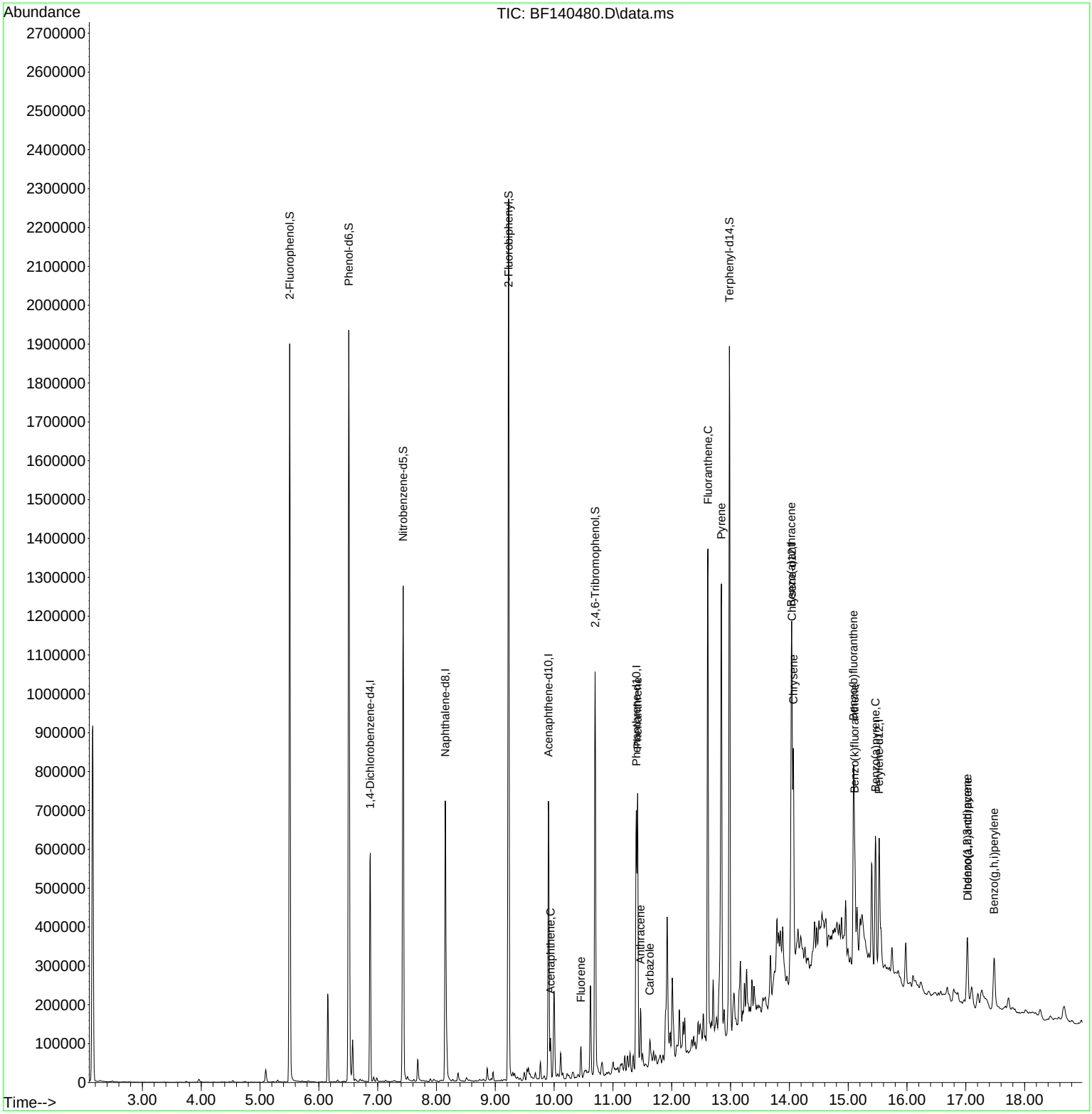
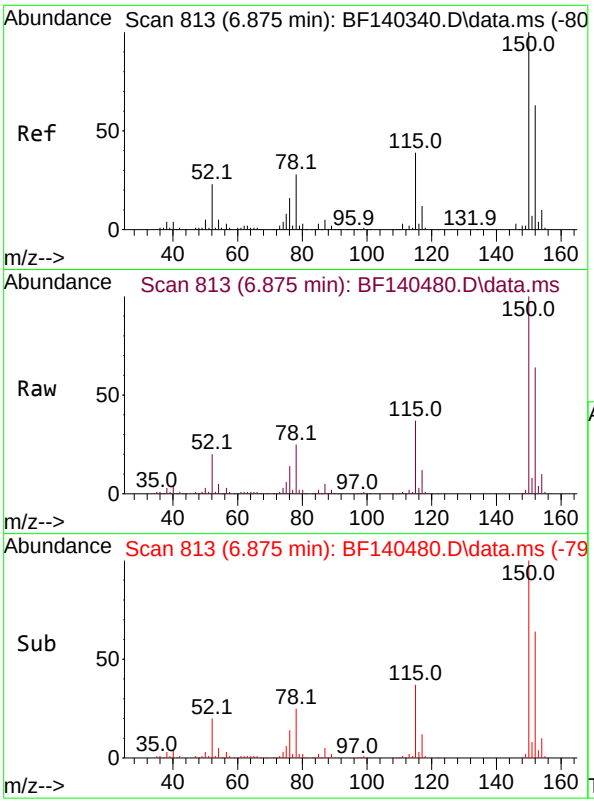


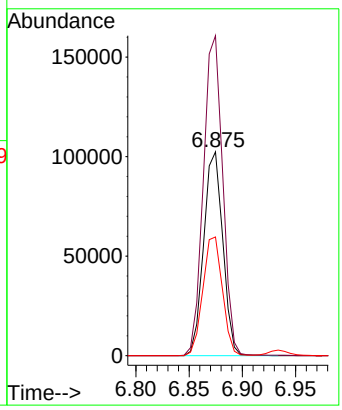


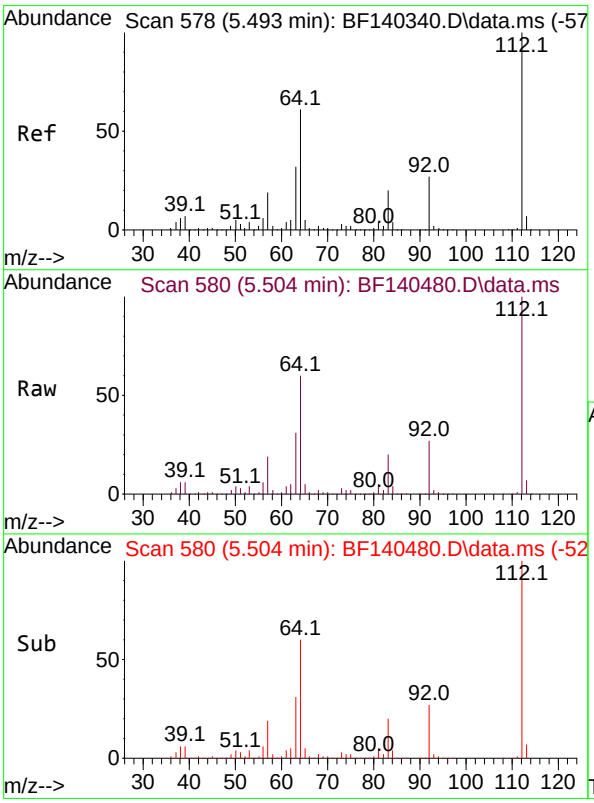
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF140480.D
Acq: 19 Nov 2024 18:10

Instrument :
BNA_F
ClientSampleId :
VNJ-228

Tgt Ion:152 Resp: 128086

Ion	Ratio	Lower	Upper
152	100		
150	156.9	127.4	191.0
115	58.2	47.4	71.2

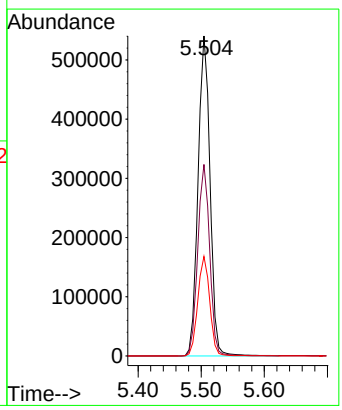


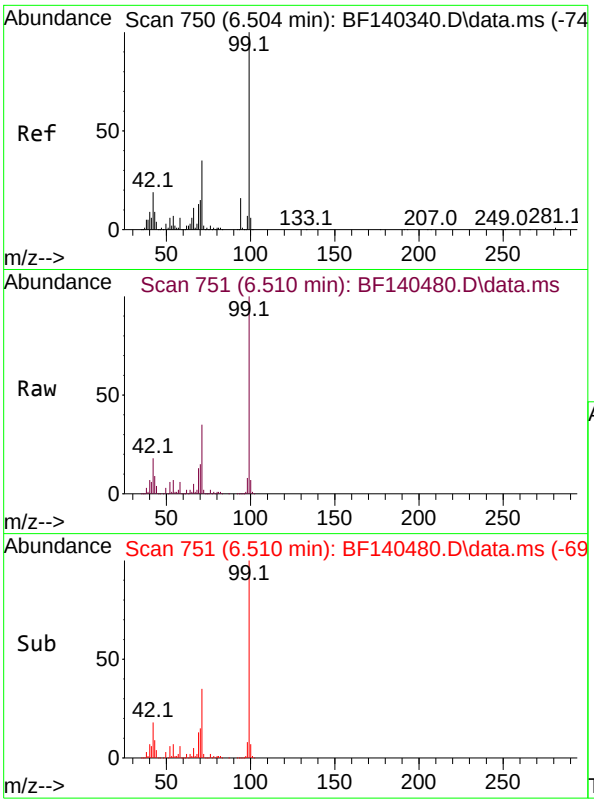


#5
2-Fluorophenol
Concen: 94.876 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF140480.D
Acq: 19 Nov 2024 18:10

Tgt Ion:112 Resp: 711749

Ion	Ratio	Lower	Upper
112	100		
64	59.8	49.2	73.8
63	31.1	25.6	38.4



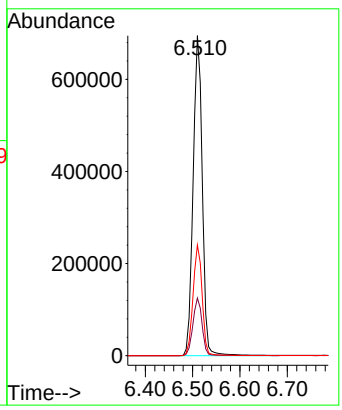


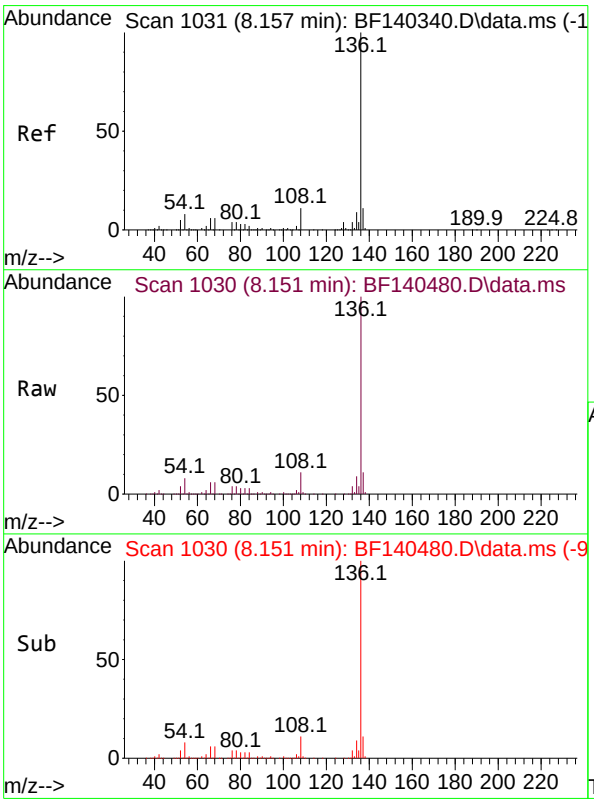
#7
Phenol-d6
Concen: 92.047 ng
RT: 6.510 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF140480.D
Acq: 19 Nov 2024 18:10

Instrument :
BNA_F
ClientSampleId :
VNJ-228

Tgt Ion: 99 Resp: 935548

Ion	Ratio	Lower	Upper
99	100		
42	18.0	15.1	22.7
71	34.6	27.9	41.9

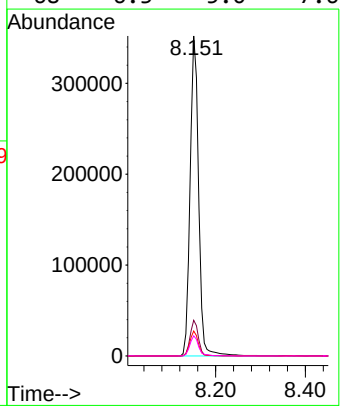


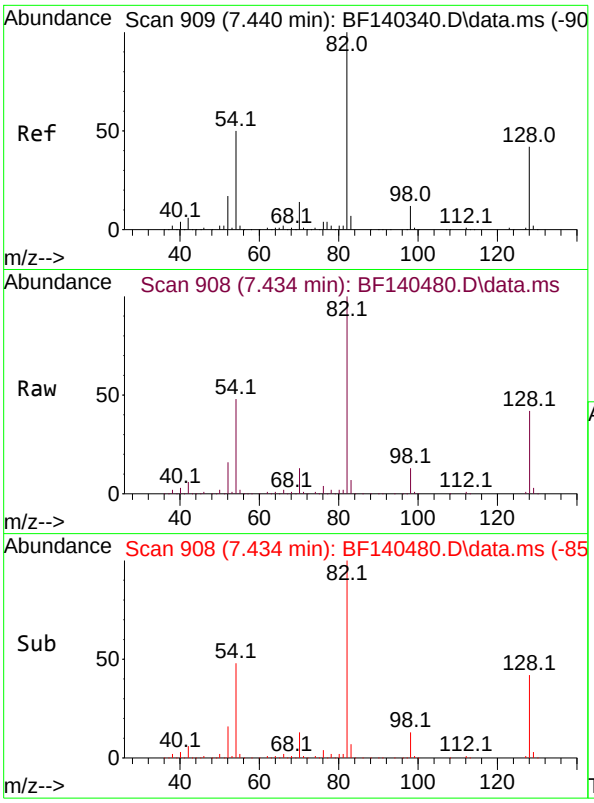


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140480.D
Acq: 19 Nov 2024 18:10

Tgt Ion:136 Resp: 463803

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	7.8	6.5	9.7
68	6.3	5.0	7.6



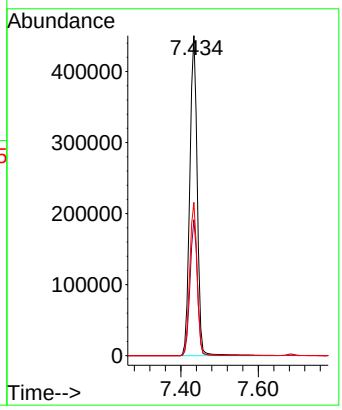


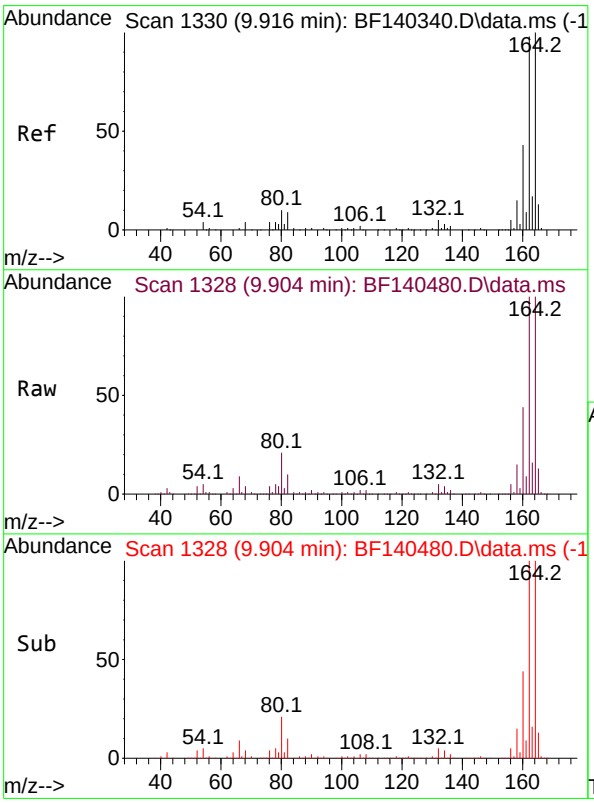
#23
Nitrobenzene-d5
Concen: 67.540 ng
RT: 7.434 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF140480.D
Acq: 19 Nov 2024 18:10

Instrument :
BNA_F
ClientSampleId :
VNJ-228

Tgt Ion: 82 Resp: 601219

Ion	Ratio	Lower	Upper
82	100		
128	42.5	33.3	49.9
54	47.9	39.8	59.8

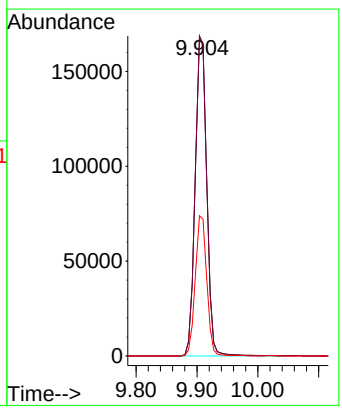


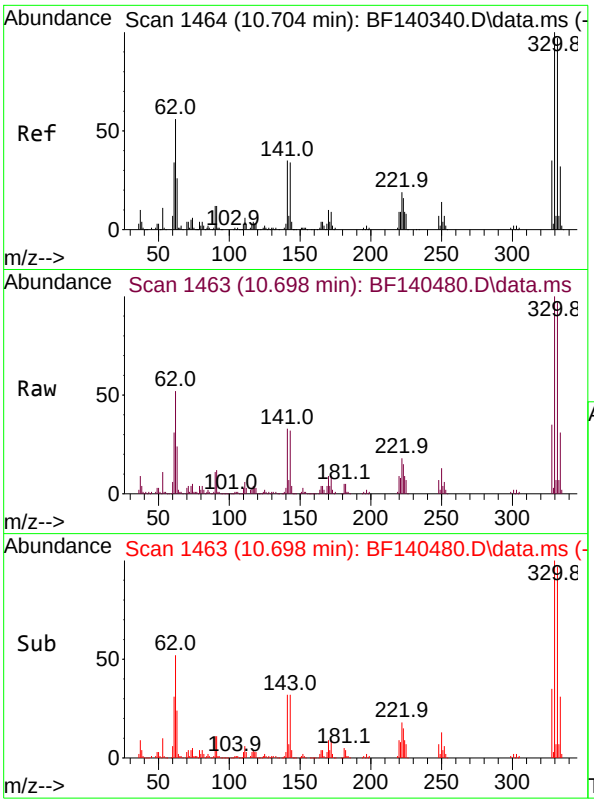


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF140480.D
Acq: 19 Nov 2024 18:10

Tgt Ion:164 Resp: 222443

Ion	Ratio	Lower	Upper
164	100		
162	100.1	79.8	119.8
160	43.8	35.4	53.0



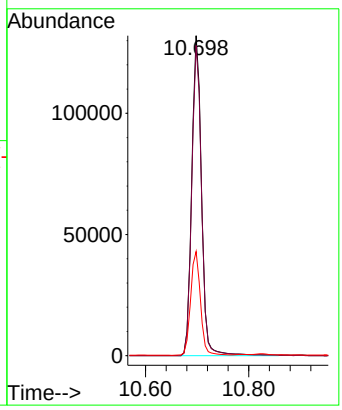


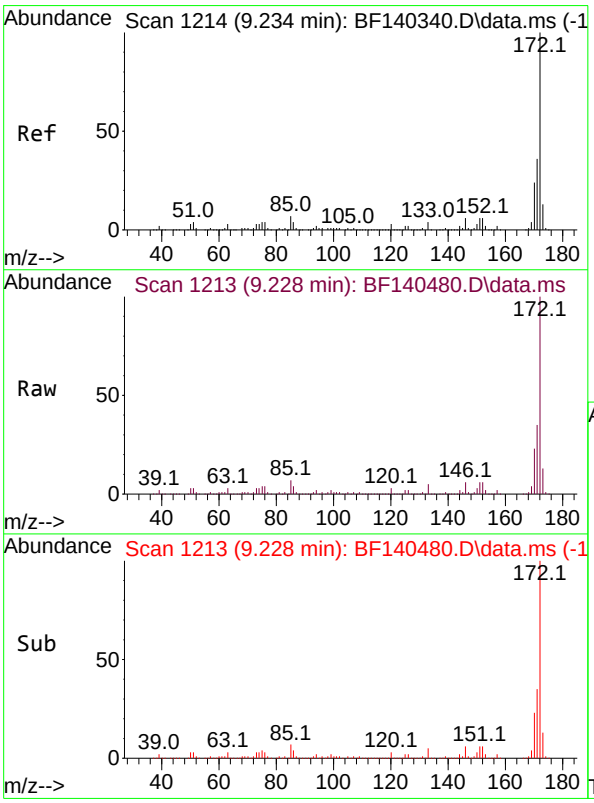
#42
2,4,6-Tribromophenol
Concen: 78.436 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF140480.D
Acq: 19 Nov 2024 18:10

Instrument :
BNA_F
ClientSampleId :
VNJ-228

Tgt Ion:330 Resp: 173503

Ion	Ratio	Lower	Upper
330	100		
332	97.4	75.9	113.9
141	32.5	26.9	40.3

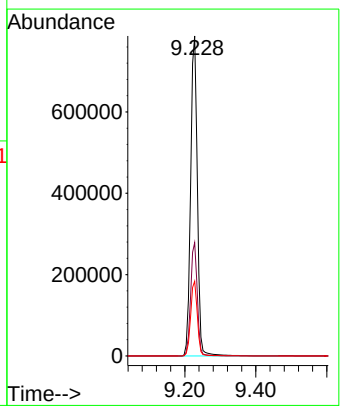


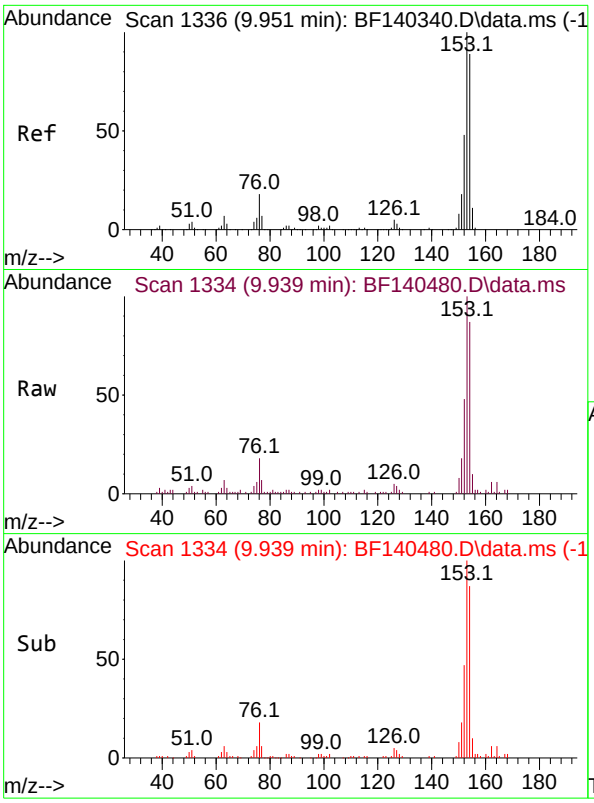


#45
2-Fluorobiphenyl
Concen: 74.822 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF140480.D
Acq: 19 Nov 2024 18:10

Tgt Ion:172 Resp: 1035348

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.5	42.7
170	23.4	19.1	28.7



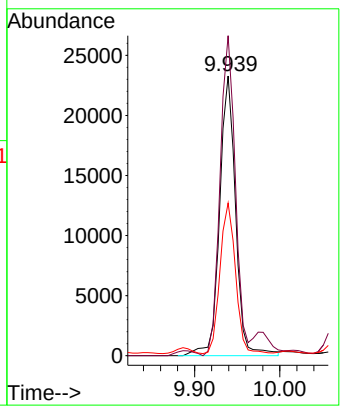


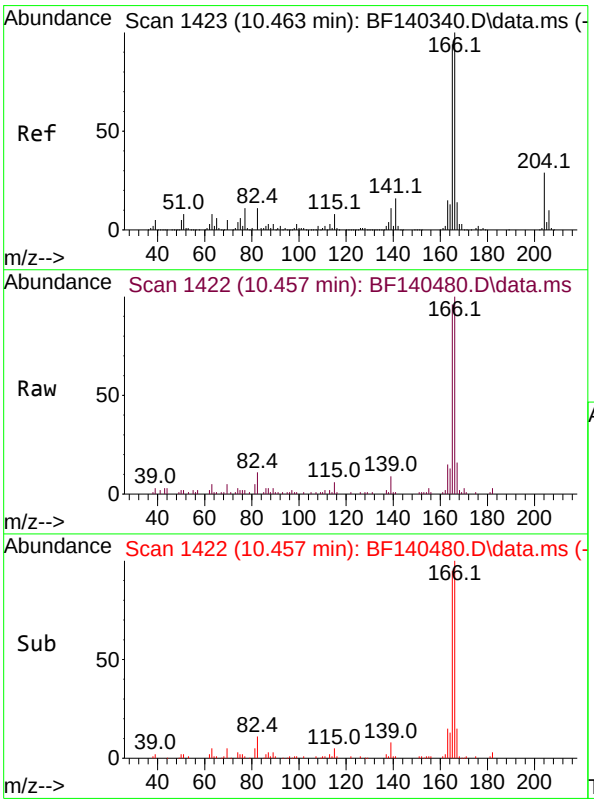
#52
Acenaphthene
Concen: 2.417 ng
RT: 9.939 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF140480.D
Acq: 19 Nov 2024 18:10

Instrument :
BNA_F
ClientSampleId :
VNJ-228

Tgt Ion:154 Resp: 30449

Ion	Ratio	Lower	Upper
154	100		
153	114.4	89.8	134.8
152	54.6	42.6	64.0

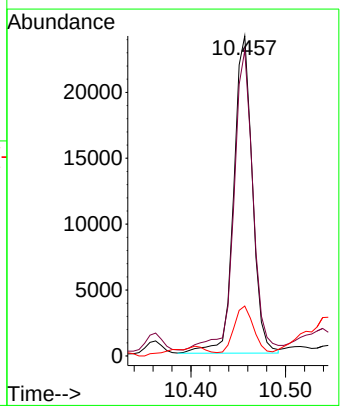


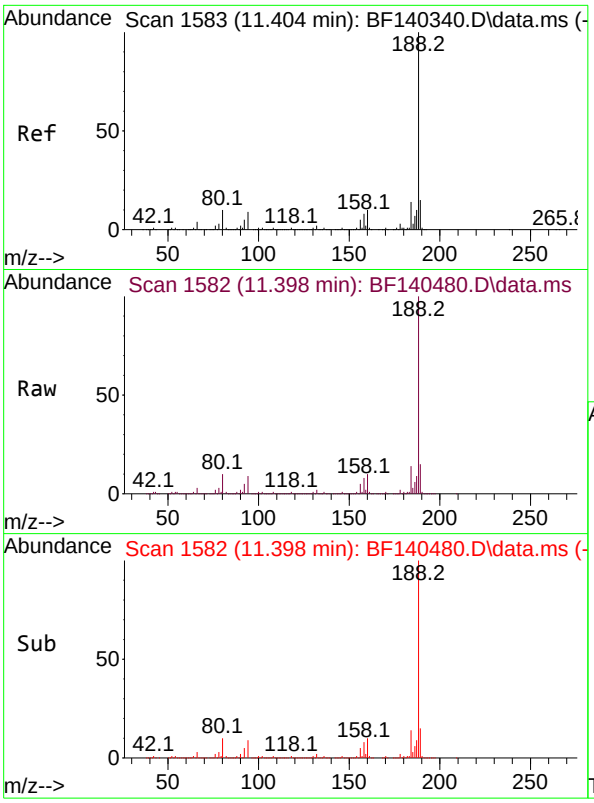


#58
Fluorene
Concen: 2.327 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF140480.D
Acq: 19 Nov 2024 18:10

Tgt Ion:166 Resp: 32778

Ion	Ratio	Lower	Upper
166	100		
165	95.5	73.9	110.9
167	15.6	10.9	16.3



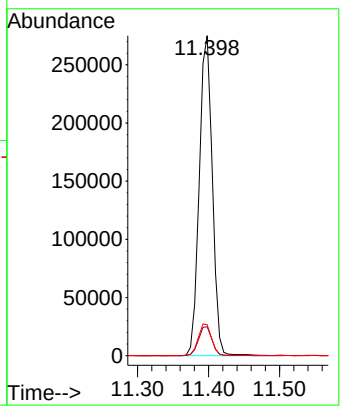


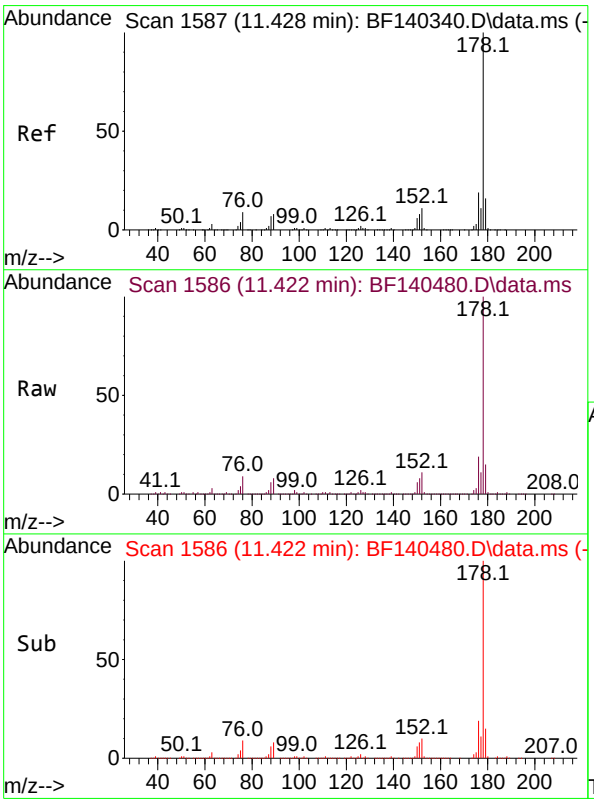
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140480.D
Acq: 19 Nov 2024 18:10

Instrument :
BNA_F
ClientSampleId :
VNJ-228

Tgt Ion:188 Resp: 352579

Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.6	11.4
80	9.7	8.0	12.0

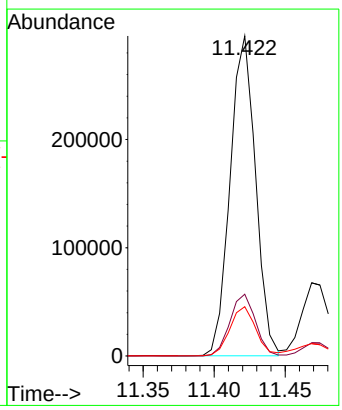


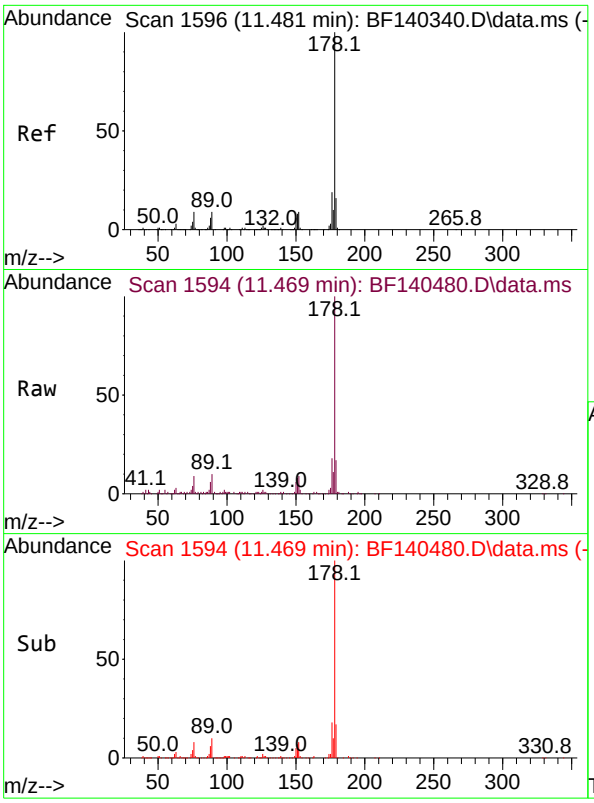


#71
Phenanthrene
Concen: 22.263 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF140480.D
Acq: 19 Nov 2024 18:10

Tgt Ion:178 Resp: 368737

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.5	23.3
179	15.4	12.4	18.6



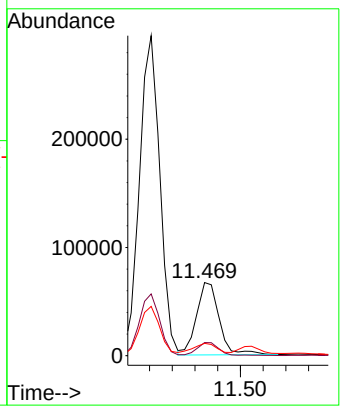


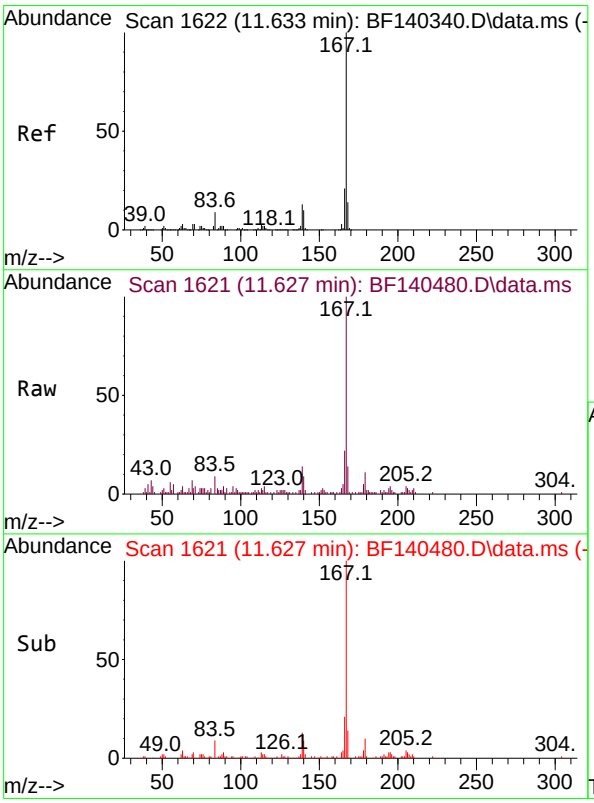
#72
Anthracene
Concen: 5.701 ng
RT: 11.469 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF140480.D
Acq: 19 Nov 2024 18:10

Instrument :
BNA_F
ClientSampleId :
VNJ-228

Tgt Ion:178 Resp: 92547

Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.4	23.0
179	16.8	12.6	18.8

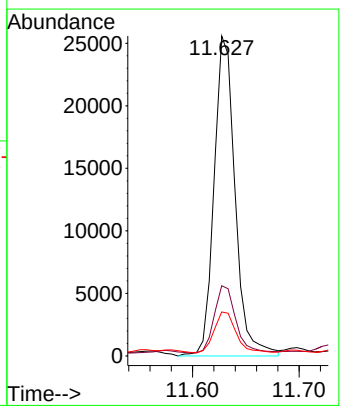


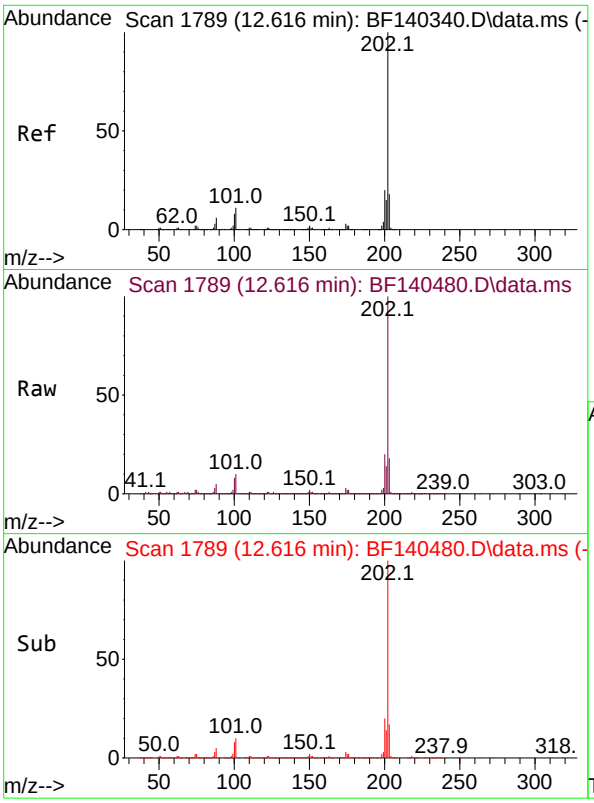


#73
Carbazole
Concen: 2.189 ng
RT: 11.627 min Scan# 1621
Delta R.T. -0.006 min
Lab File: BF140480.D
Acq: 19 Nov 2024 18:10

Tgt Ion:167 Resp: 35084

Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.2	25.8
139	13.8	10.4	15.6



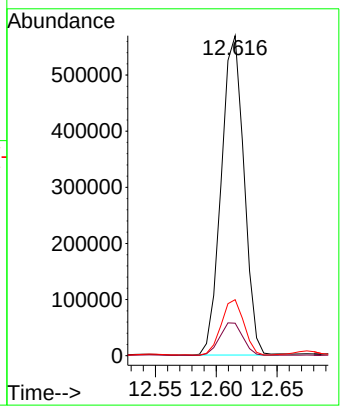


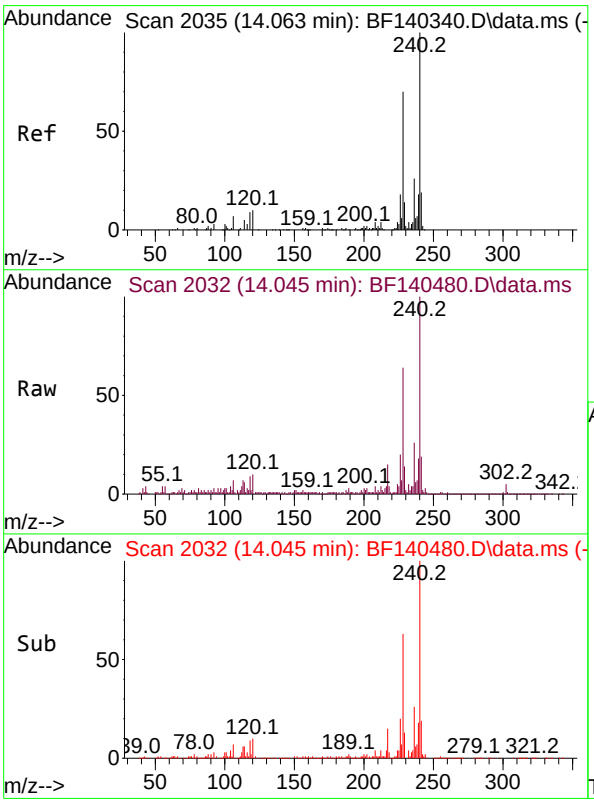
#75
Fluoranthene
Concen: 39.791 ng
RT: 12.616 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140480.D
Acq: 19 Nov 2024 18:10

Instrument :
BNA_F
ClientSampleId :
VNJ-228

Tgt Ion:202 Resp: 739382

Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	30.7
203	17.5	0.0	37.7

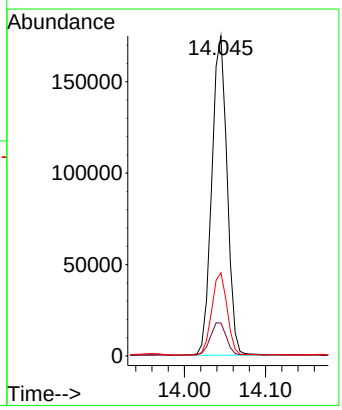


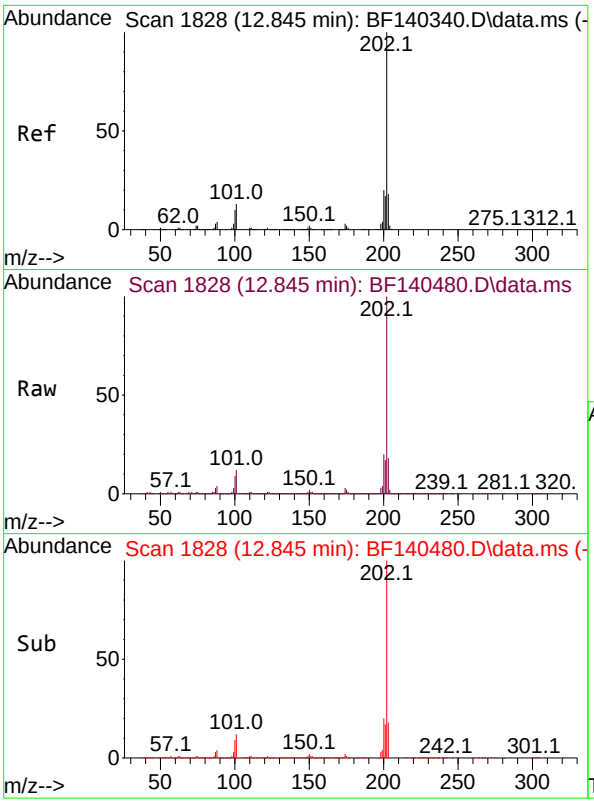


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140480.D
Acq: 19 Nov 2024 18:10

Tgt Ion:240 Resp: 228634

Ion	Ratio	Lower	Upper
240	100		
120	10.3	8.8	13.2
236	26.0	20.9	31.3



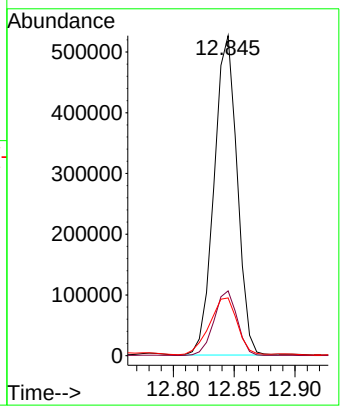


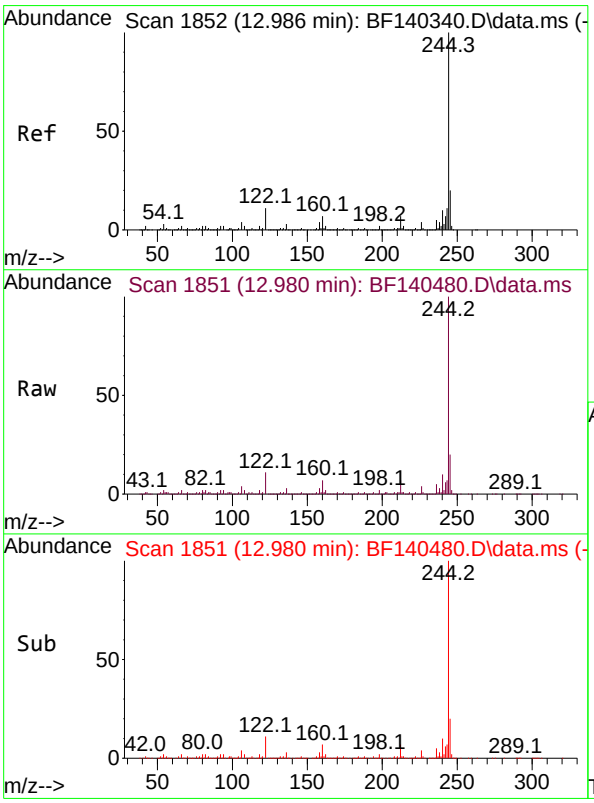
#78
Pyrene
Concen: 35.415 ng
RT: 12.845 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140480.D
Acq: 19 Nov 2024 18:10

Instrument :
BNA_F
ClientSampleId :
VNJ-228

Tgt Ion:202 Resp: 692601

Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.2	24.2
203	18.1	14.2	21.4

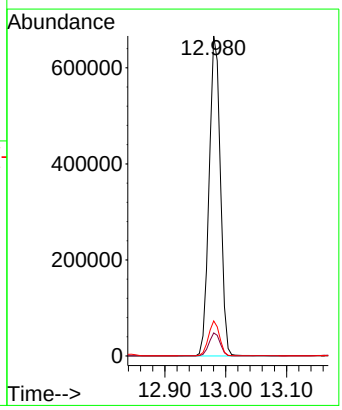


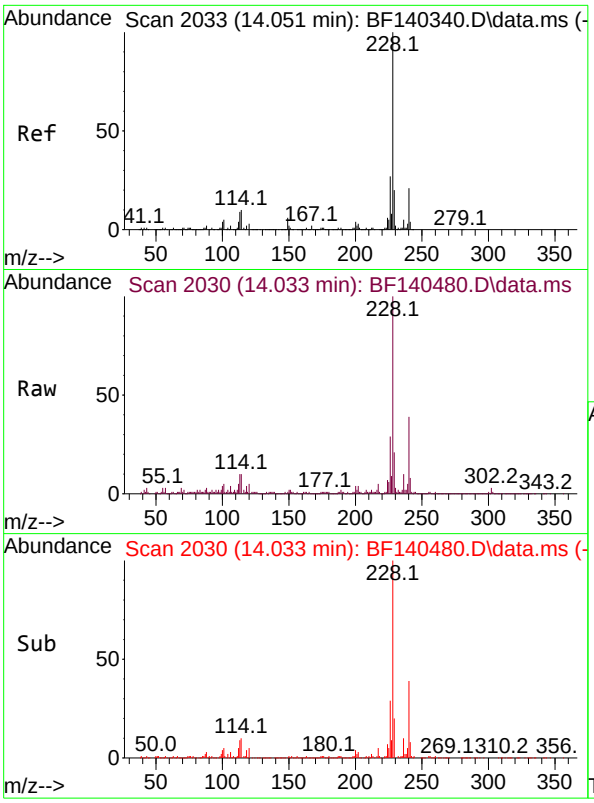


#79
Terphenyl-d14
Concen: 65.010 ng
RT: 12.980 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BF140480.D
Acq: 19 Nov 2024 18:10

Tgt Ion:244 Resp: 856301

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.8
122	10.9	8.8	13.2



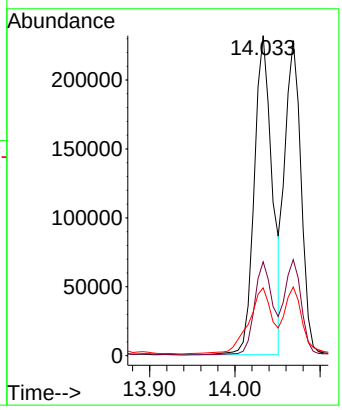


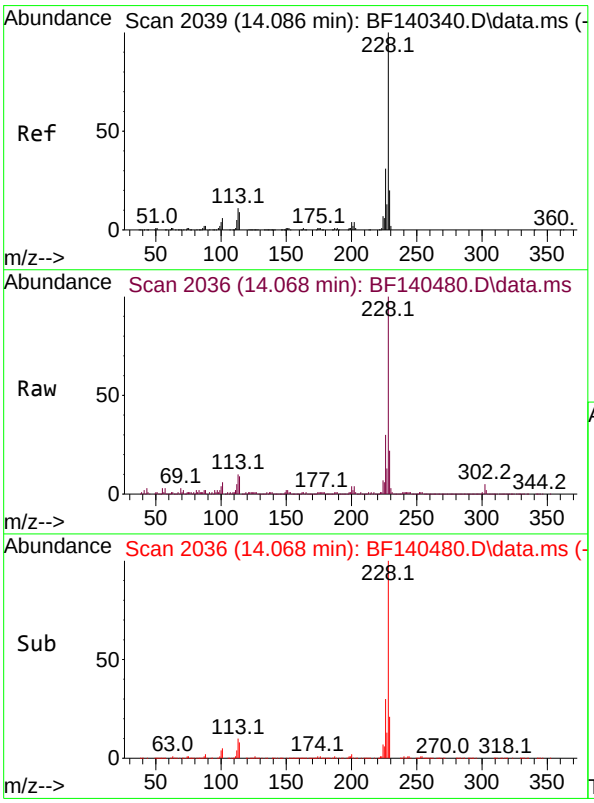
#81
Benzo(a)anthracene
Concen: 22.620 ng
RT: 14.033 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF140480.D
Acq: 19 Nov 2024 18:10

Instrument :
BNA_F
ClientSampleId :
VNJ-228

Tgt Ion:228 Resp: 339896

Ion	Ratio	Lower	Upper
228	100		
226	29.3	22.2	33.4
229	21.2	15.8	23.6

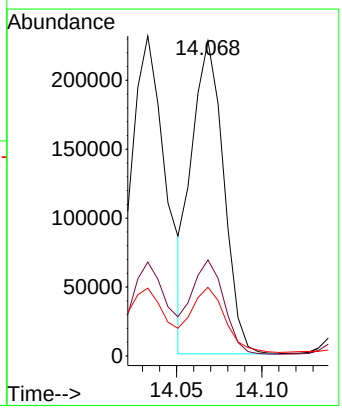


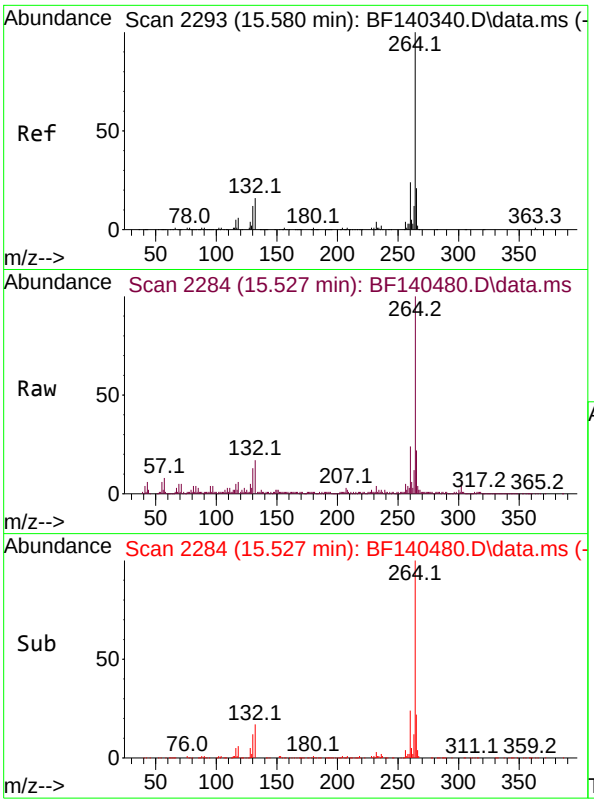


#83
Chrysene
Concen: 21.696 ng
RT: 14.068 min Scan# 2036
Delta R.T. -0.012 min
Lab File: BF140480.D
Acq: 19 Nov 2024 18:10

Tgt Ion:228 Resp: 297464

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.5	36.7
229	21.8	16.0	24.0



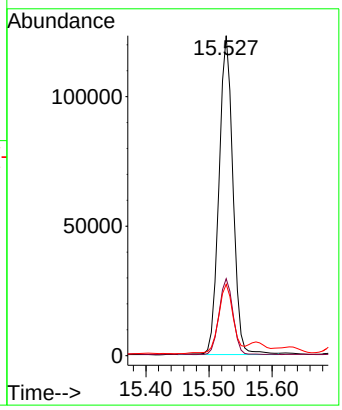


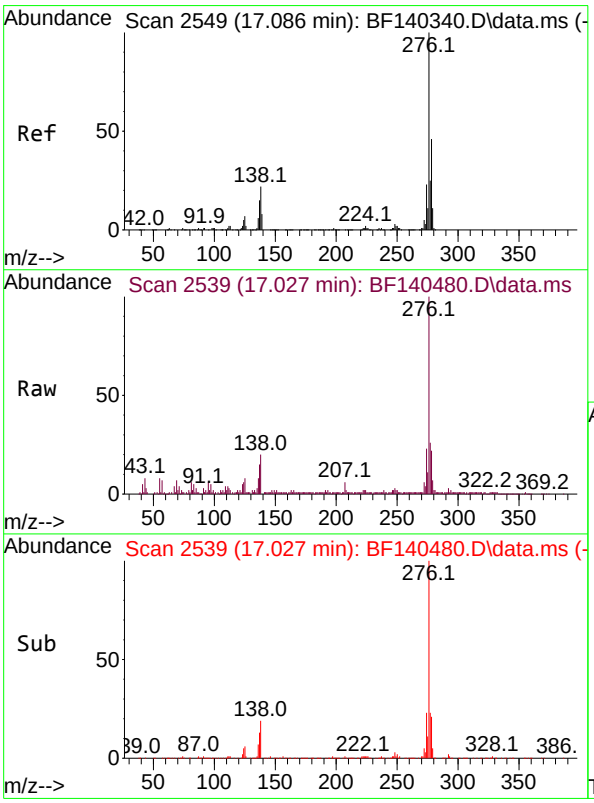
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2
Delta R.T. -0.030 min
Lab File: BF140480.D
Acq: 19 Nov 2024 18:10

Instrument :
BNA_F
ClientSampleId :
VNJ-228

Tgt Ion:264 Resp: 189698

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	22.3	17.1	25.7

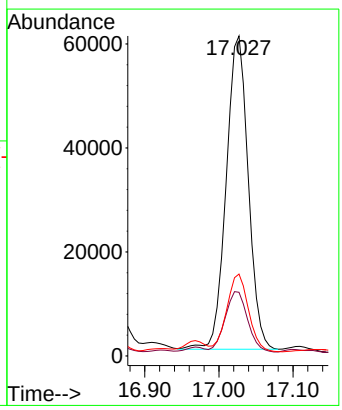


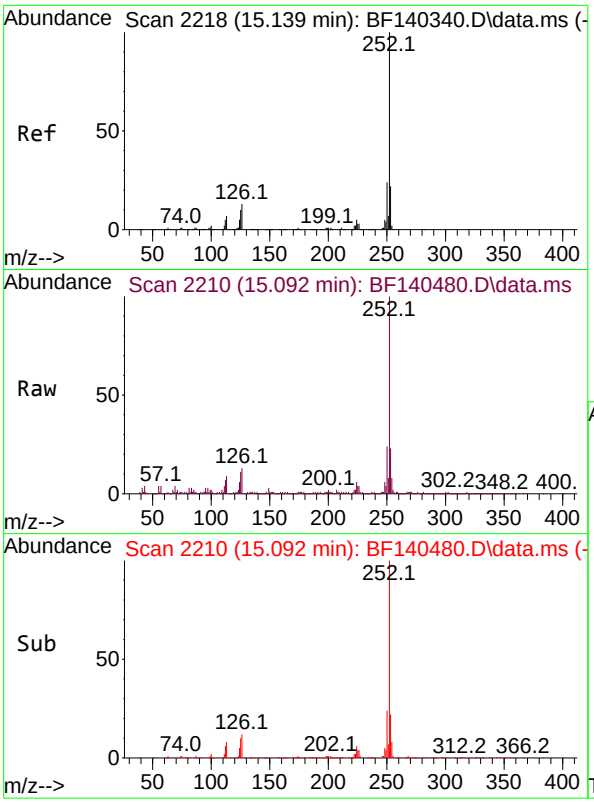


#87
Indeno(1,2,3-cd)pyrene
Concen: 10.633 ng
RT: 17.027 min Scan# 2539
Delta R.T. -0.030 min
Lab File: BF140480.D
Acq: 19 Nov 2024 18:10

Tgt Ion:276 Resp: 124599

Ion	Ratio	Lower	Upper
276	100		
138	19.6	18.8	28.2
277	24.6	20.2	30.2



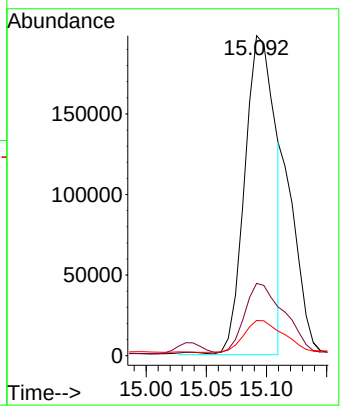


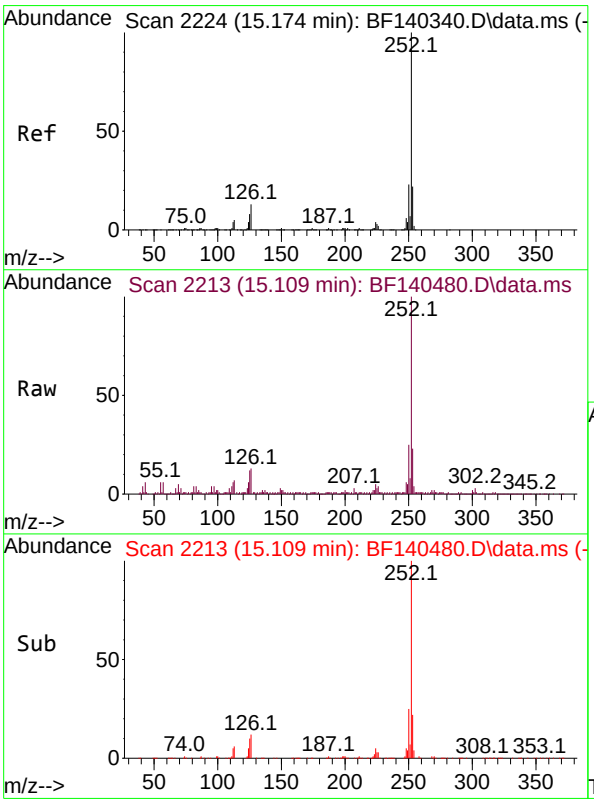
#88
Benzo(b)fluoranthene
Concen: 28.001 ng m
RT: 15.092 min Scan# 2
Delta R.T. -0.024 min
Lab File: BF140480.D
Acq: 19 Nov 2024 18:10

Instrument :
BNA_F
ClientSampleId :
VNJ-228

Tgt Ion:252 Resp: 347470

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	11.0	8.0	12.0

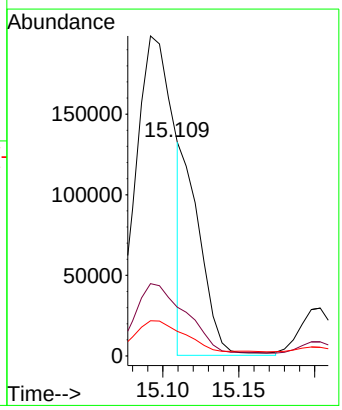


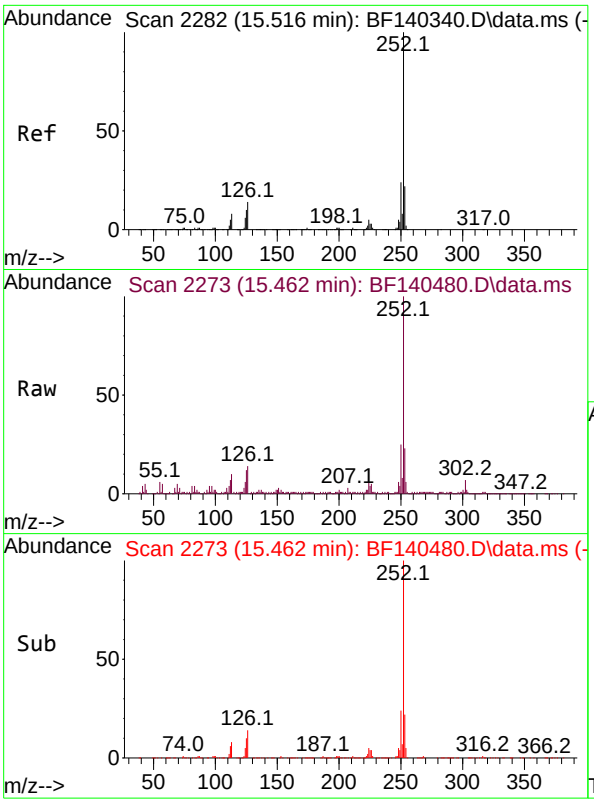


#89
Benzo(k)fluoranthene
Concen: 10.893 ng m
RT: 15.109 min Scan# 2213
Delta R.T. -0.041 min
Lab File: BF140480.D
Acq: 19 Nov 2024 18:10

Tgt Ion:252 Resp: 110431

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.3	25.9
125	11.5	7.4	11.2#



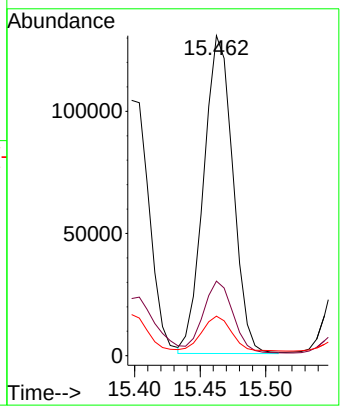


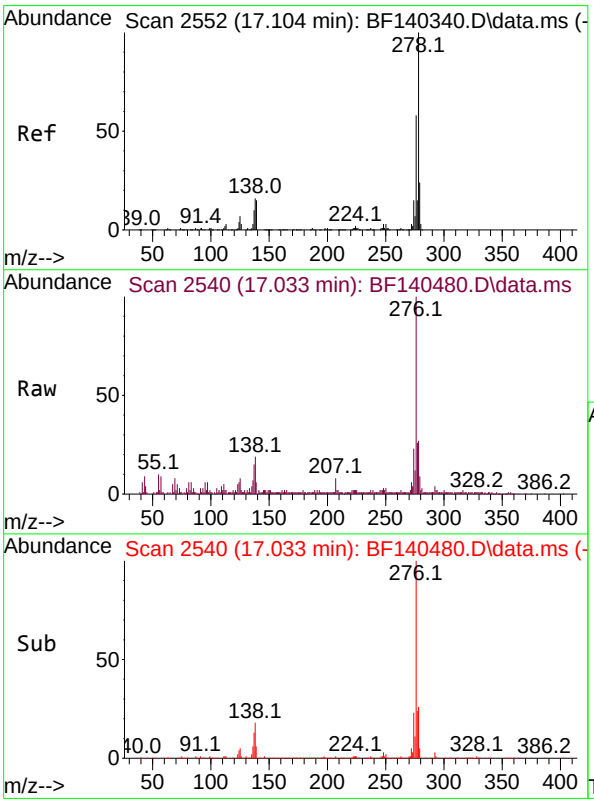
#90
Benzo(a)pyrene
Concen: 21.012 ng
RT: 15.462 min Scan# 2
Delta R.T. -0.030 min
Lab File: BF140480.D
Acq: 19 Nov 2024 18:10

Instrument :
BNA_F
ClientSampleId :
VNJ-228

Tgt Ion:252 Resp: 202486

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.6
125	12.4	8.4	12.6

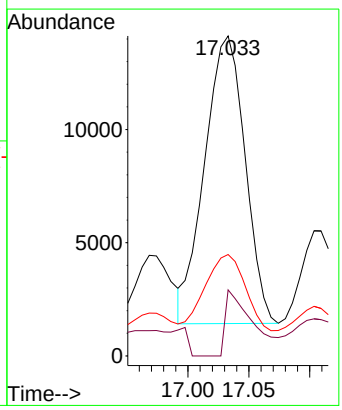


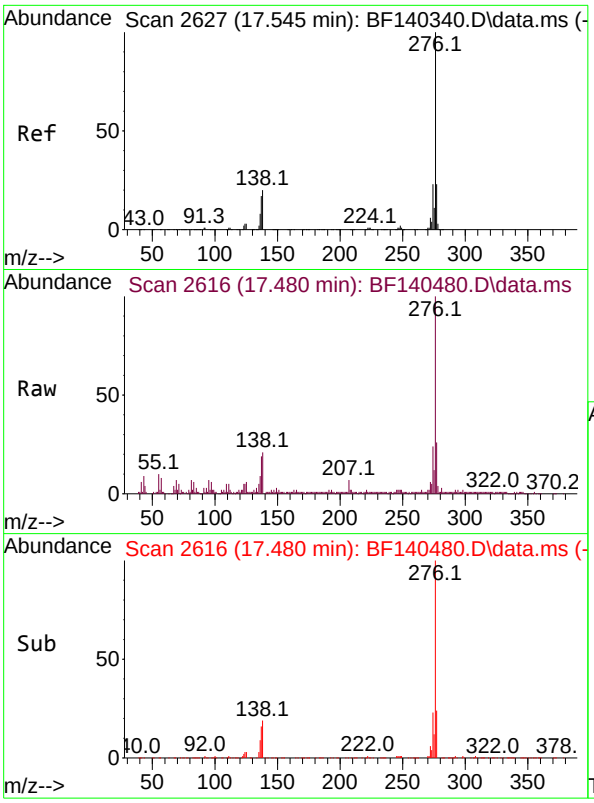


#91
Dibenzo(a,h)anthracene
Concen: 3.028 ng
RT: 17.033 min Scan# 2540
Delta R.T. -0.041 min
Lab File: BF140480.D
Acq: 19 Nov 2024 18:10

Tgt Ion:278 Resp: 29334

Ion	Ratio	Lower	Upper
278	100		
139	20.7	11.8	17.8#
279	31.7	18.9	28.3#





#92
Benzo(g,h,i)perylene
Concen: 12.173 ng
RT: 17.480 min Scan# 2
Delta R.T. -0.035 min
Lab File: BF140480.D
Acq: 19 Nov 2024 18:10

Instrument :
BNA_F
ClientSampleId :
VNJ-228

Tgt Ion:276 Resp: 120546

Ion	Ratio	Lower	Upper
276	100		
277	25.7	18.6	28.0
138	20.9	16.0	24.0