Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072525\
Data File : BF143249.D
Acq On : 25 Jul 2025 14:18
Operator : RC/JU
Sample : Q2687-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-251

Quant Time: Jul 25 14:44:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	95529	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	346905	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	155782	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	218705	20.000	ng	0.00
76) Chrysene-d12	14.121	240	185787	20.000	ng	0.00
86) Perylene-d12	15.633	264	224377	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.592	112	571201	94.621	ng	0.00
7) Phenol-d6	6.587	99	725768	95.517	ng	0.00
23) Nitrobenzene-d5	7.516	82	469427	67.452	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	149945	93.173	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	769742	67.576	ng	0.00
79) Terphenyl-d14	13.068	244	546301	43.757	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.510	178	122236	10.526	ng	100
72) Anthracene	11.557	178	23740	2.004	ng	98
75) Fluoranthene	12.698	202	165208	15.500	ng	98
78) Pyrene	12.927	202	142508	8.988	ng	99
81) Benzo(a)anthracene	14.115	228	81801	6.576	ng	98
83) Chrysene	14.151	228	65367	5.845	ng	98
87) Indeno(1,2,3-cd)pyrene	17.162	276	32374	2.046	ng	96
88) Benzo(b)fluoranthene	15.186	252	92730m	6.765	ng	
89) Benzo(k)fluoranthene	15.204	252	28035m	2.292	ng	
90) Benzo(a)pyrene	15.562	252	61892	4.901	ng	97
92) Benzo(g,h,i)perylene	17.627	276	29199	2.344	ng	98

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

Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072525\
Data File : BF143249.D
Acq On : 25 Jul 2025 14:18
Operator : RC/JU
Sample : Q2687-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
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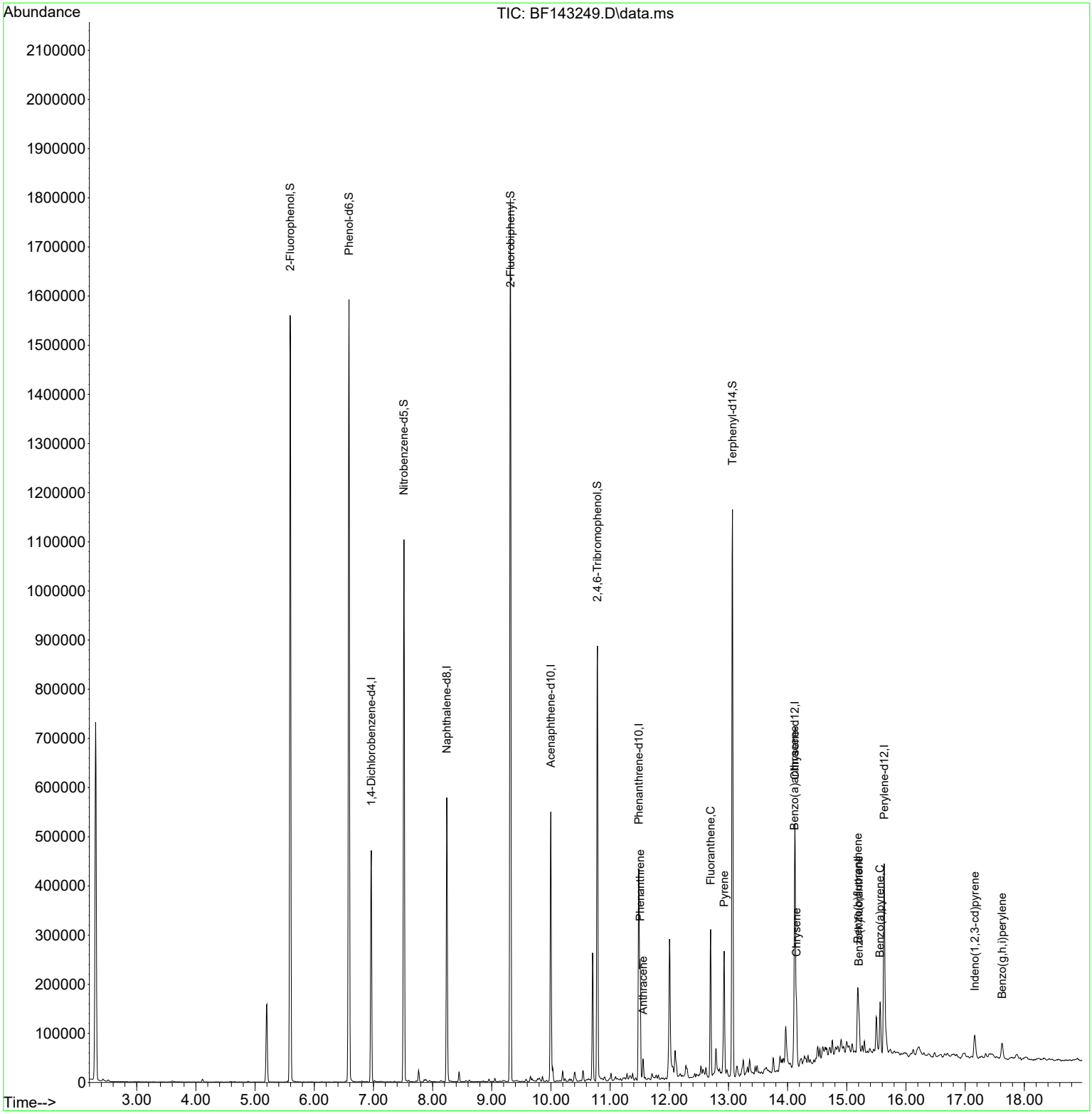
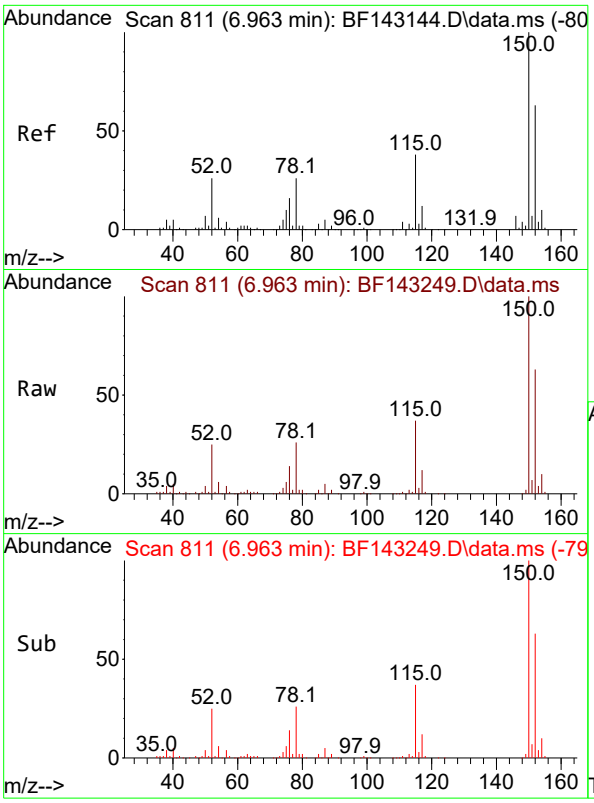


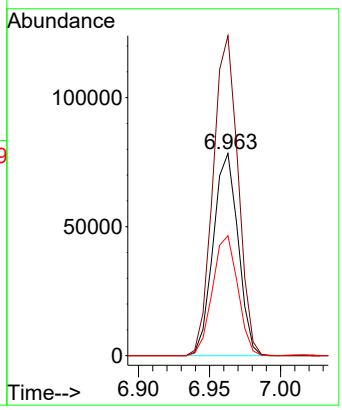


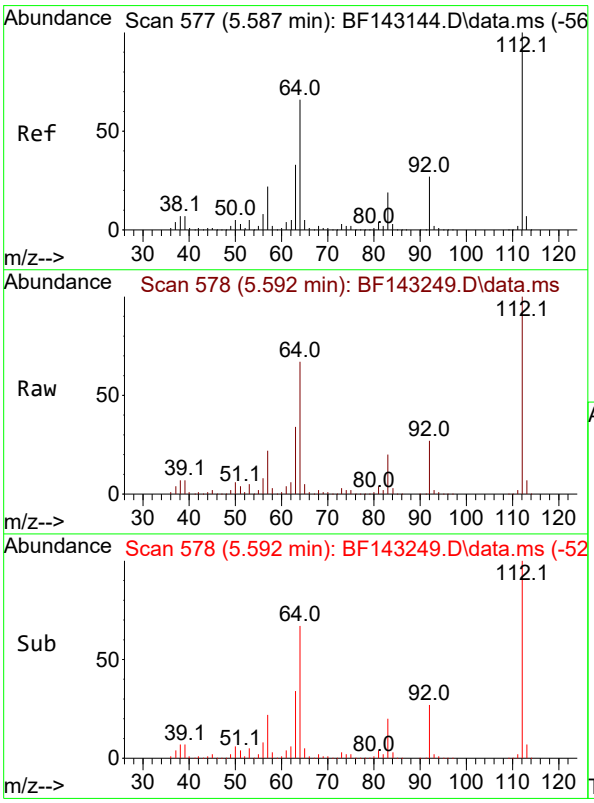
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143249.D
Acq: 25 Jul 2025 14:18

Instrument :
BNA_F
ClientSampleId :
VNJ-251

Tgt Ion:152 Resp: 95529

Ion	Ratio	Lower	Upper
152	100		
150	158.2	128.2	192.4
115	59.3	47.9	71.9

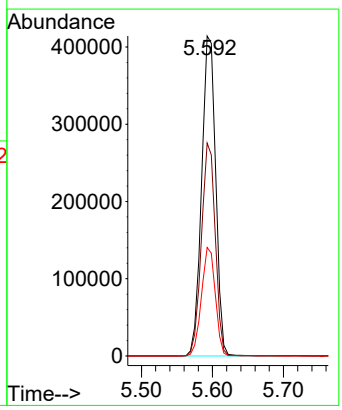


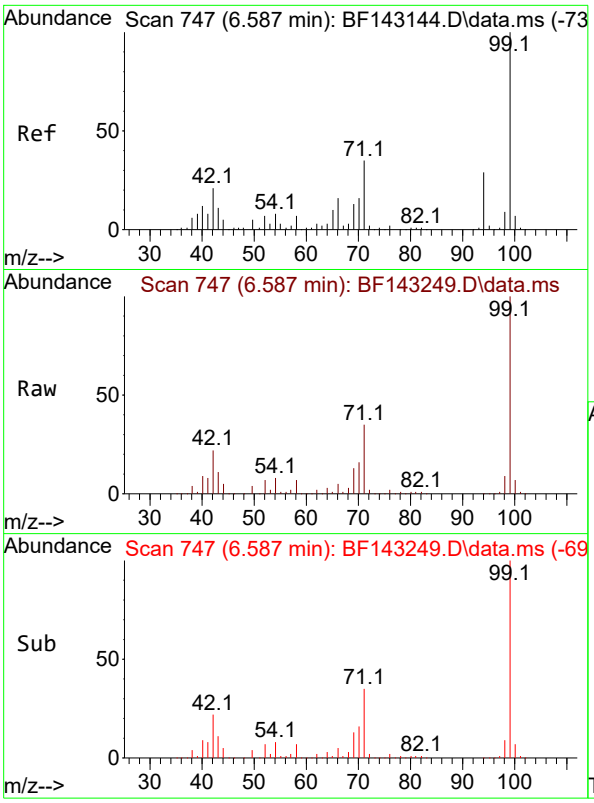


#5
2-Fluorophenol
Concen: 94.621 ng
RT: 5.592 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF143249.D
Acq: 25 Jul 2025 14:18

Tgt Ion:112 Resp: 571201

Ion	Ratio	Lower	Upper
112	100		
64	66.6	53.1	79.7
63	33.9	26.6	40.0



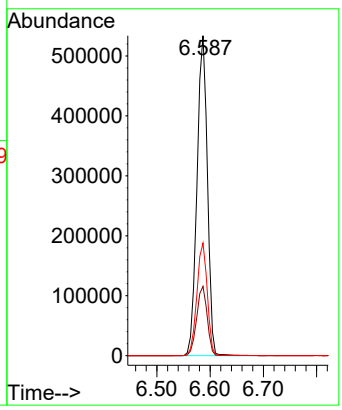


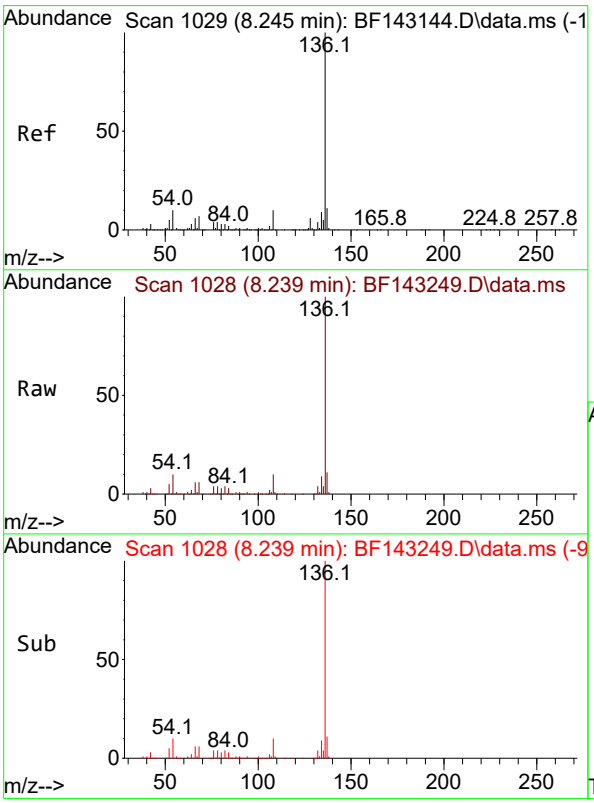
#7
Phenol-d6
Concen: 95.517 ng
RT: 6.587 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF143249.D
Acq: 25 Jul 2025 14:18

Instrument :
BNA_F
ClientSampleId :
VNJ-251

Tgt Ion: 99 Resp: 725768

Ion	Ratio	Lower	Upper
99	100		
42	21.7	17.0	25.6
71	35.2	27.7	41.5

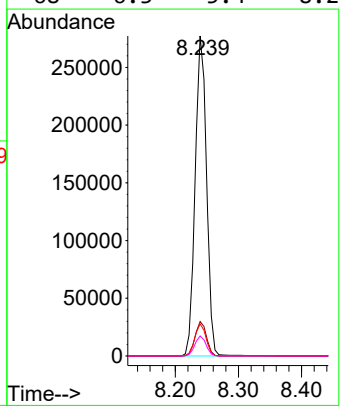


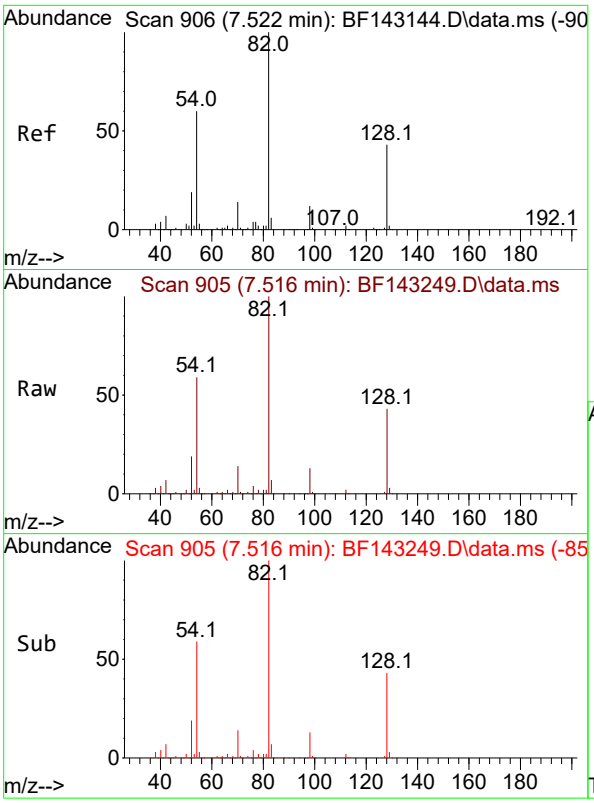


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF143249.D
Acq: 25 Jul 2025 14:18

Tgt Ion:136 Resp: 346905

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	10.0	8.2	12.2
68	6.3	5.4	8.2



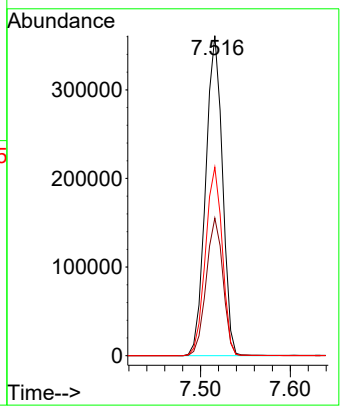


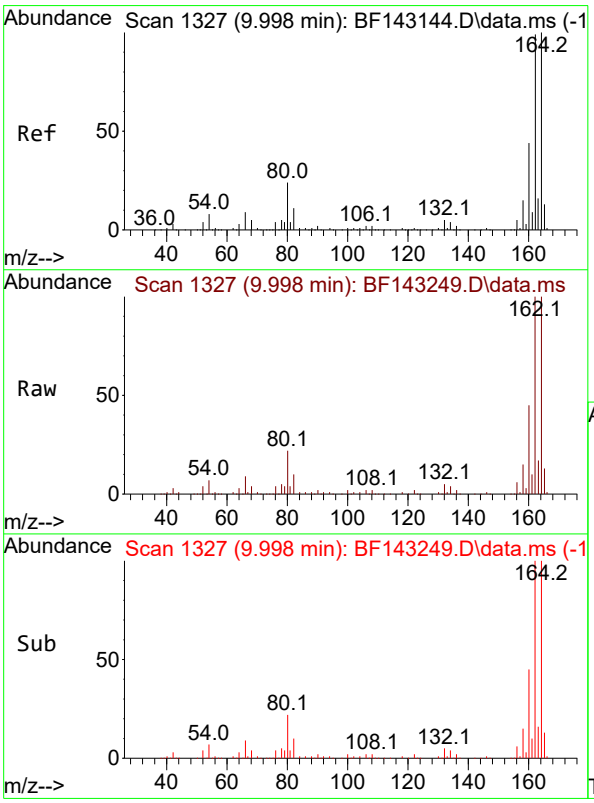
#23
Nitrobenzene-d5
Concen: 67.452 ng
RT: 7.516 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143249.D
Acq: 25 Jul 2025 14:18

Instrument :
BNA_F
ClientSampleId :
VNJ-251

Tgt Ion: 82 Resp: 469427

Ion	Ratio	Lower	Upper
82	100		
128	43.0	33.6	50.4
54	58.9	47.1	70.7

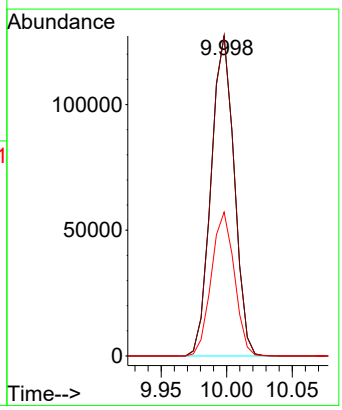


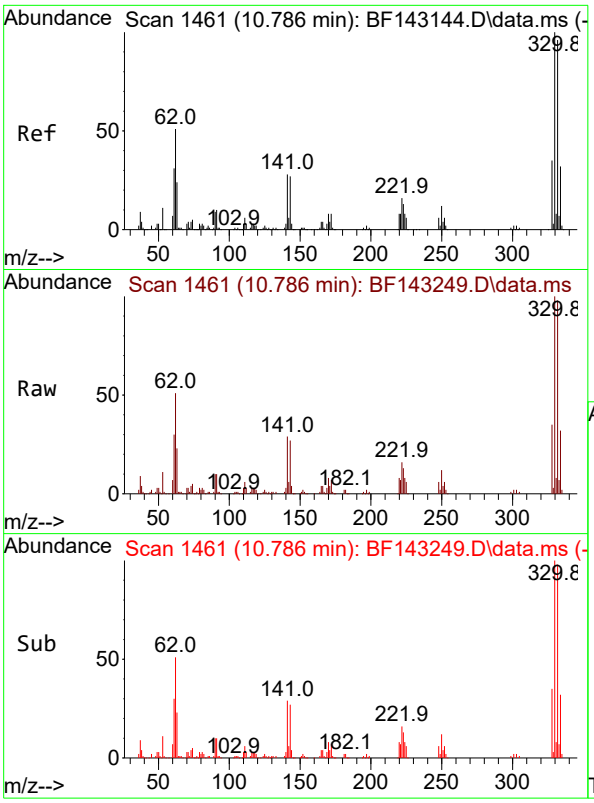


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF143249.D
Acq: 25 Jul 2025 14:18

Tgt Ion:164 Resp: 155782

Ion	Ratio	Lower	Upper
164	100		
162	100.1	79.0	118.6
160	45.0	35.1	52.7



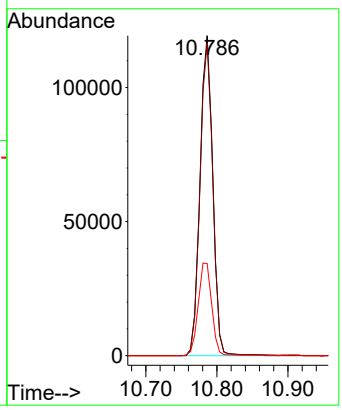


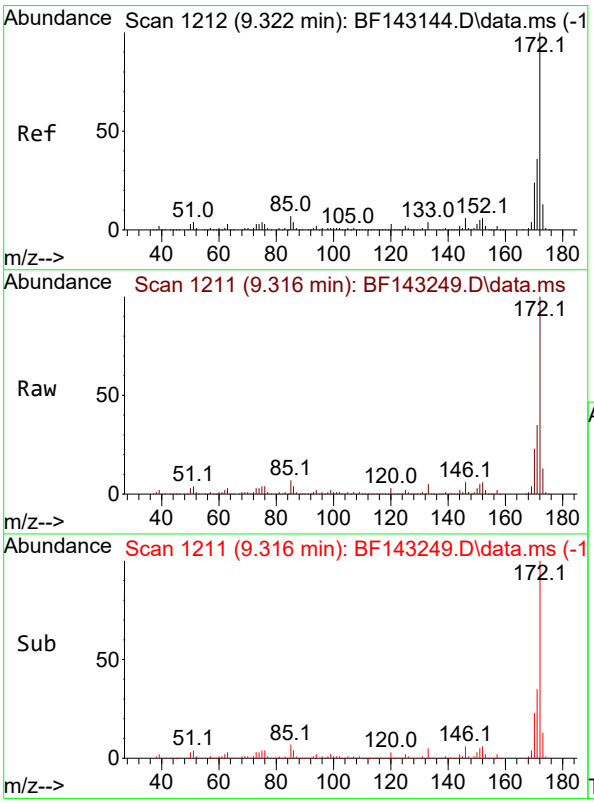
#42
2,4,6-Tribromophenol
Concen: 93.173 ng
RT: 10.786 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143249.D
Acq: 25 Jul 2025 14:18

Instrument :
BNA_F
ClientSampleId :
VNJ-251

Tgt Ion:330 Resp: 149945

Ion	Ratio	Lower	Upper
330	100		
332	97.4	76.7	115.1
141	30.7	23.3	34.9

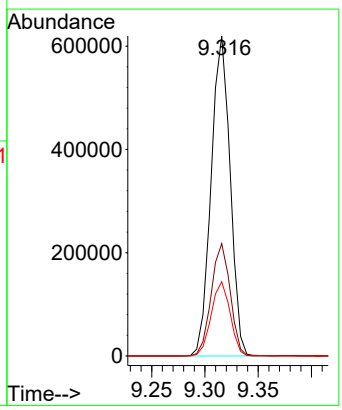


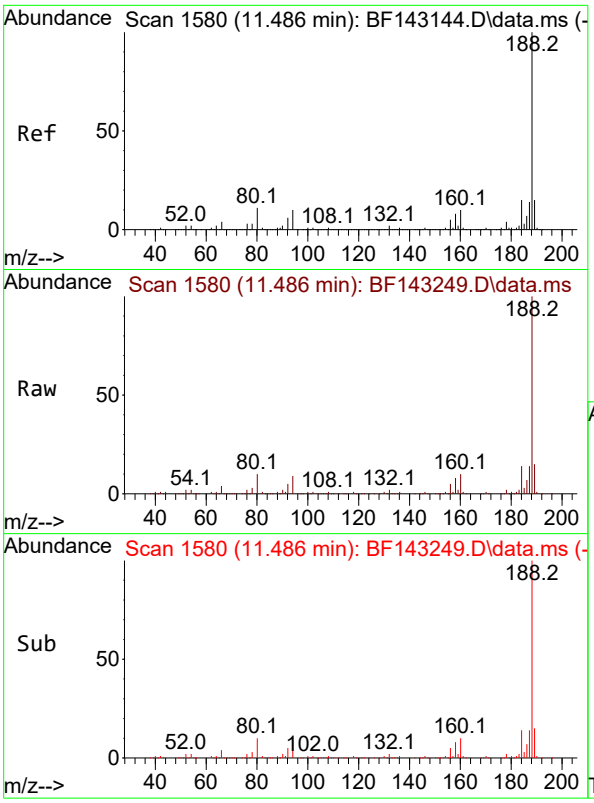


#45
2-Fluorobiphenyl
Concen: 67.576 ng
RT: 9.316 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF143249.D
Acq: 25 Jul 2025 14:18

Tgt Ion:172 Resp: 769742

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.6	42.8
170	23.2	18.8	28.2



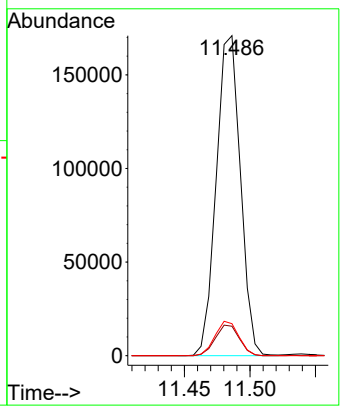


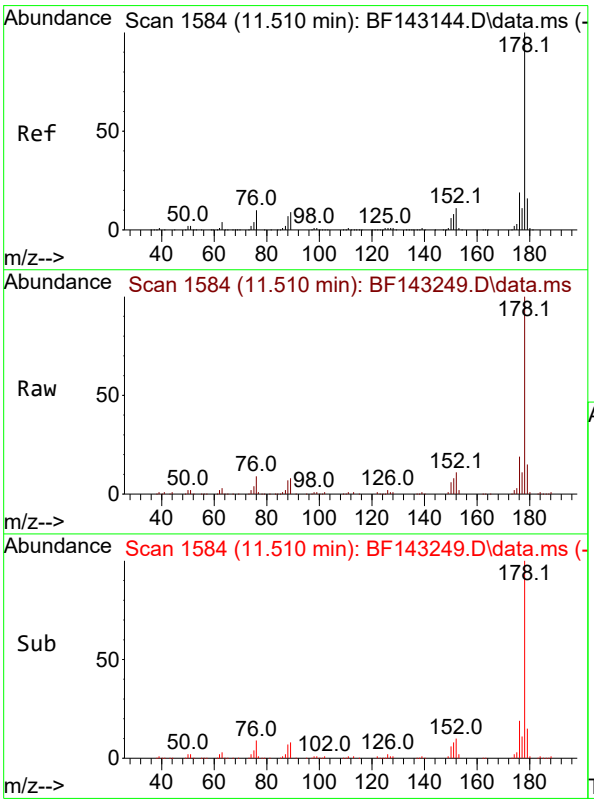
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143249.D
Acq: 25 Jul 2025 14:18

Instrument :
BNA_F
ClientSampleId :
VNJ-251

Tgt Ion:188 Resp: 218705

Ion	Ratio	Lower	Upper
188	100		
94	9.2	8.3	12.5
80	10.0	9.0	13.6

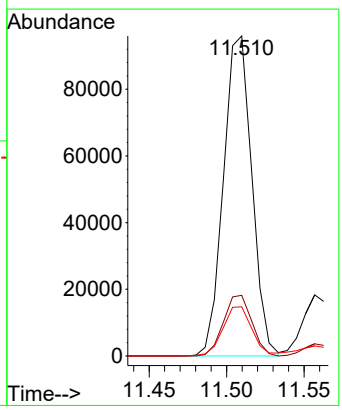


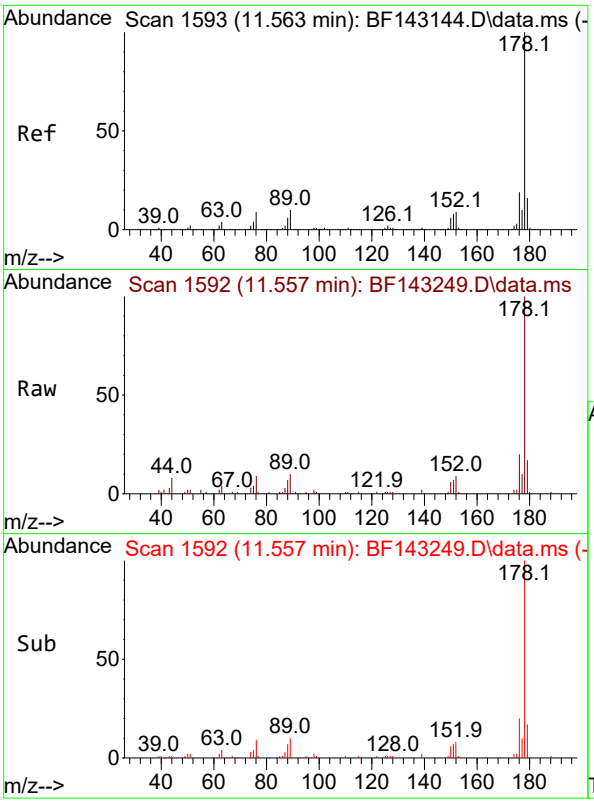


#71
Phenanthrene
Concen: 10.526 ng
RT: 11.510 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BF143249.D
Acq: 25 Jul 2025 14:18

Tgt Ion:178 Resp: 122236

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.3	22.9
179	15.4	12.5	18.7





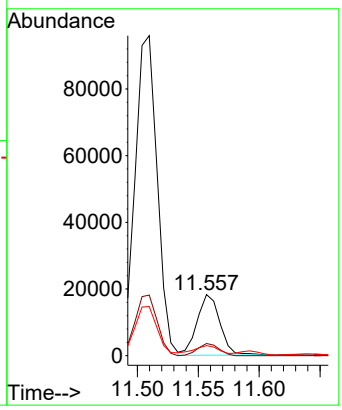
#72
Anthracene
Concen: 2.004 ng
RT: 11.557 min Scan# 1

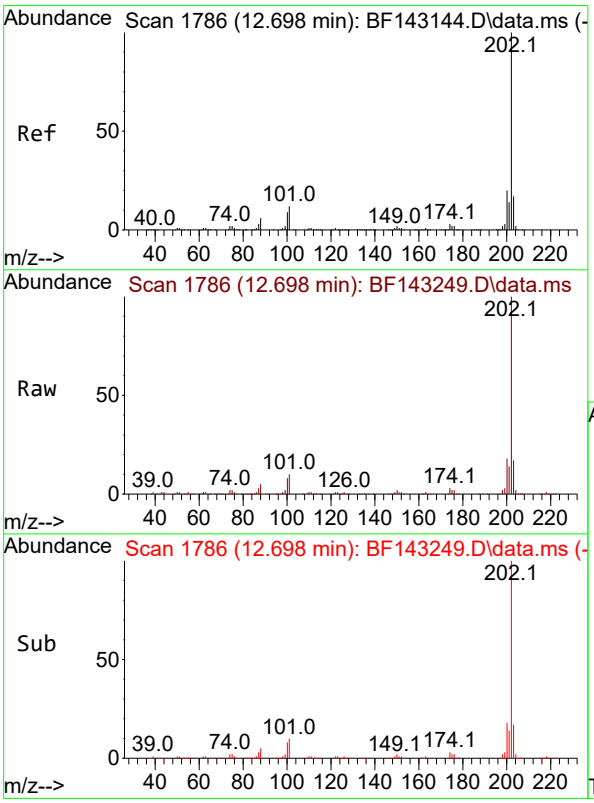
Instrument :
BNA_F
ClientSampleId :
VNJ-251

Delta R.T. -0.006 min
Lab File: BF143249.D
Acq: 25 Jul 2025 14:18

Tgt Ion:178 Resp: 23740

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.0	22.4
179	16.6	12.5	18.7

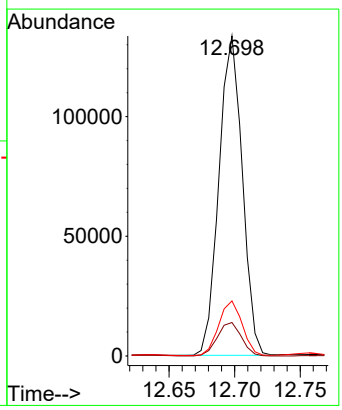


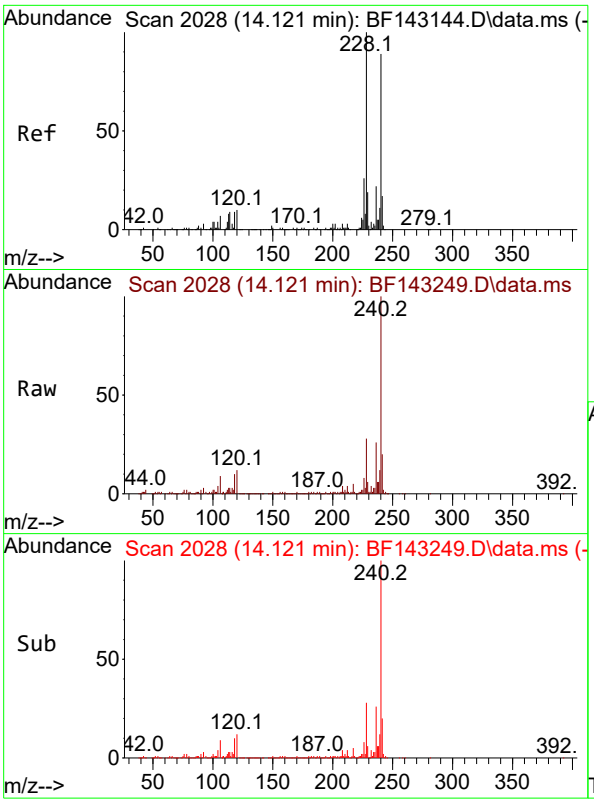


#75
Fluoranthene
Concen: 15.500 ng
RT: 12.698 min Scan# 1786
Delta R.T. -0.000 min
Lab File: BF143249.D
Acq: 25 Jul 2025 14:18

Tgt Ion:202 Resp: 165208

Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	31.7
203	17.2	0.0	37.4



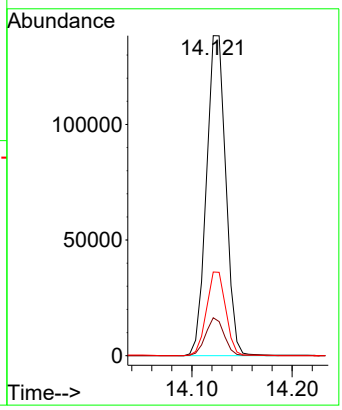


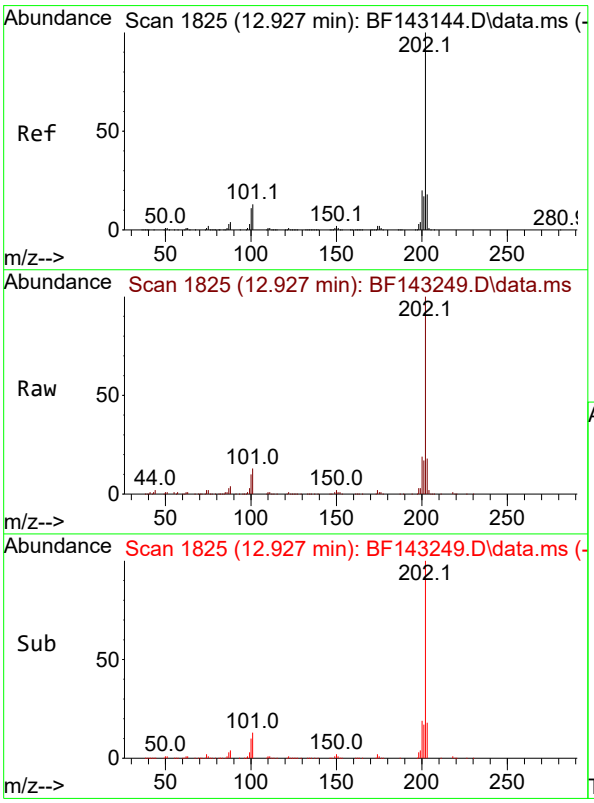
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143249.D
Acq: 25 Jul 2025 14:18

Instrument :
BNA_F
ClientSampleId :
VNJ-251

Tgt Ion:240 Resp: 185787

Ion	Ratio	Lower	Upper
240	100		
120	11.8	9.4	14.2
236	26.2	20.2	30.4

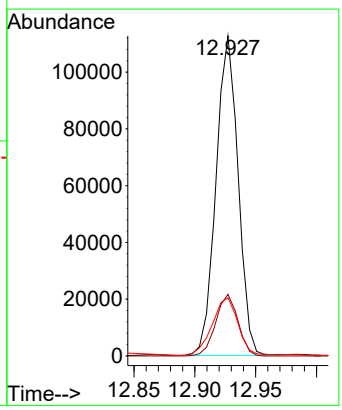


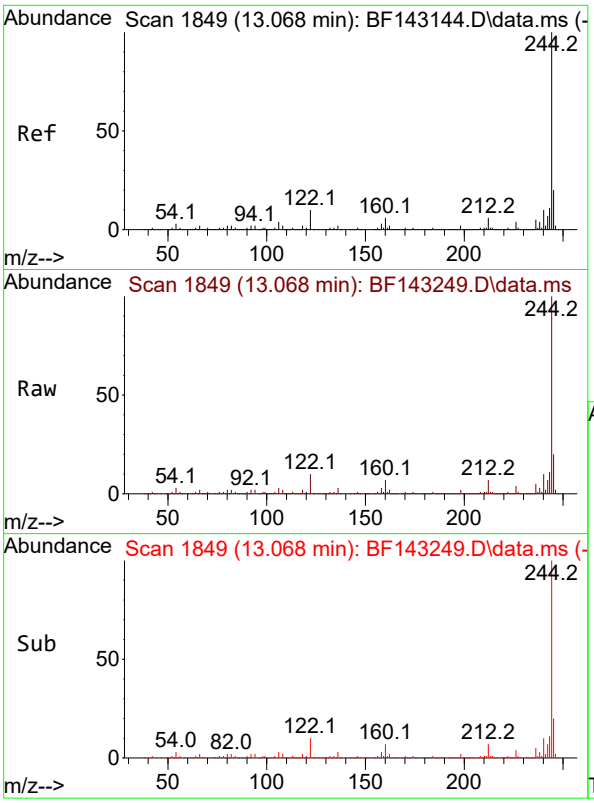


#78
Pyrene
Concen: 8.988 ng
RT: 12.927 min Scan# 1825
Delta R.T. -0.000 min
Lab File: BF143249.D
Acq: 25 Jul 2025 14:18

Tgt Ion:202 Resp: 142508

Ion	Ratio	Lower	Upper
202	100		
200	19.2	15.7	23.5
203	18.2	14.2	21.2



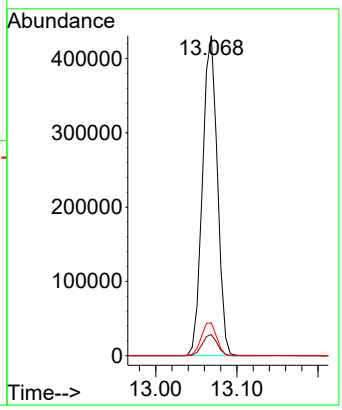


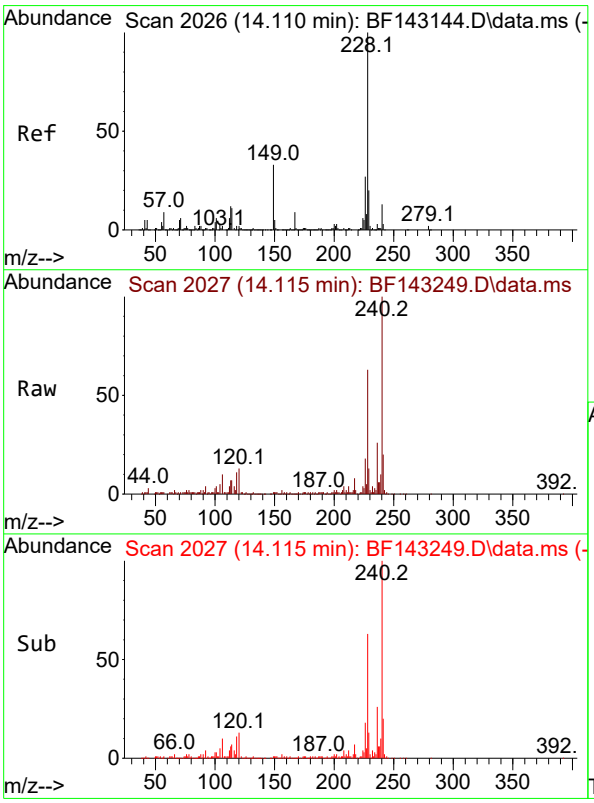
#79
Terphenyl-d14
Concen: 43.757 ng
RT: 13.068 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143249.D
Acq: 25 Jul 2025 14:18

Instrument :
BNA_F
ClientSampleId :
VNJ-251

Tgt Ion:244 Resp: 546301

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.2	7.8
122	10.2	8.2	12.2

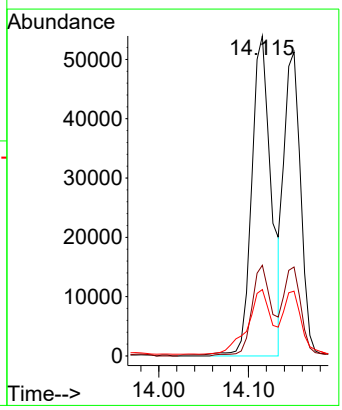


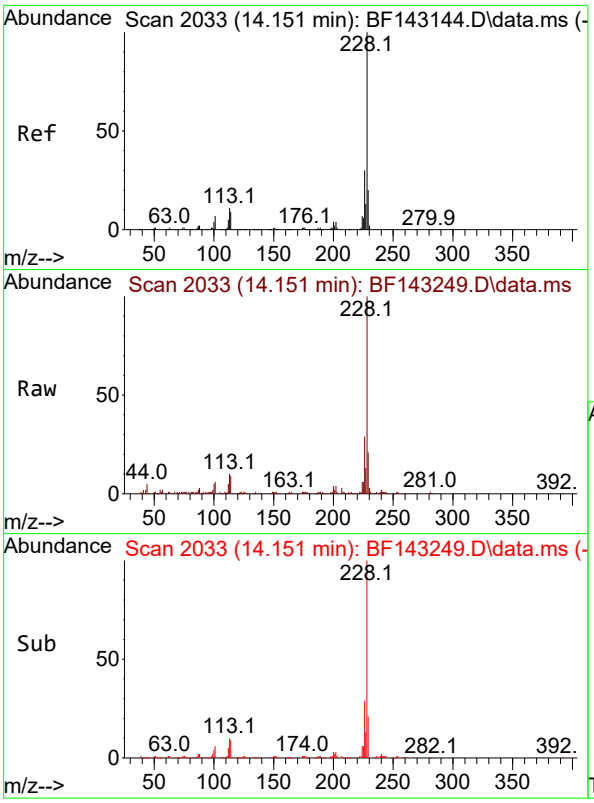


#81
Benzo(a)anthracene
Concen: 6.576 ng
RT: 14.115 min Scan# 2027
Delta R.T. 0.006 min
Lab File: BF143249.D
Acq: 25 Jul 2025 14:18

Tgt Ion:228 Resp: 81801

Ion	Ratio	Lower	Upper
228	100		
226	28.4	21.7	32.5
229	20.8	15.8	23.6



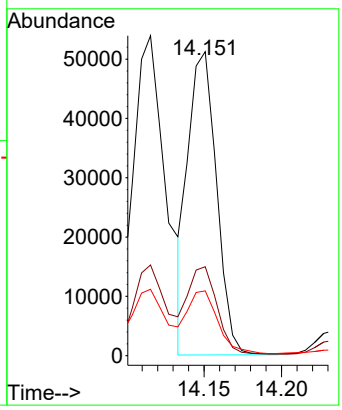


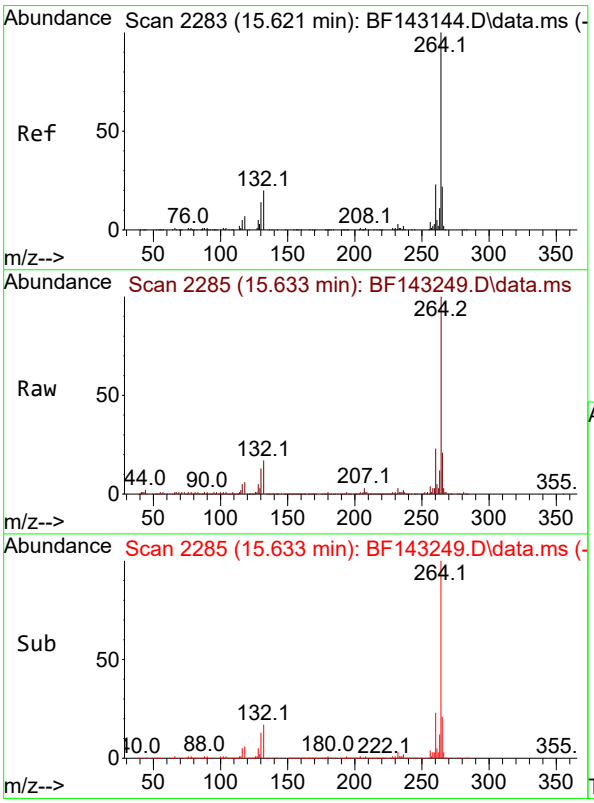
#83
Chrysene
Concen: 5.845 ng
RT: 14.151 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143249.D
Acq: 25 Jul 2025 14:18

Instrument :
BNA_F
ClientSampleId :
VNJ-251

Tgt Ion:228 Resp: 65367

Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.8	35.8
229	21.3	15.6	23.4

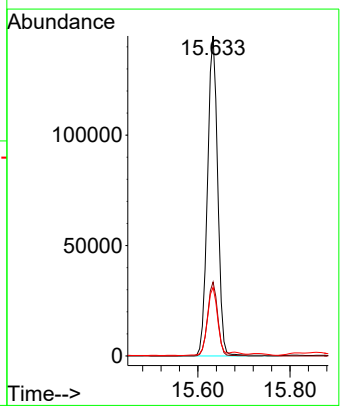


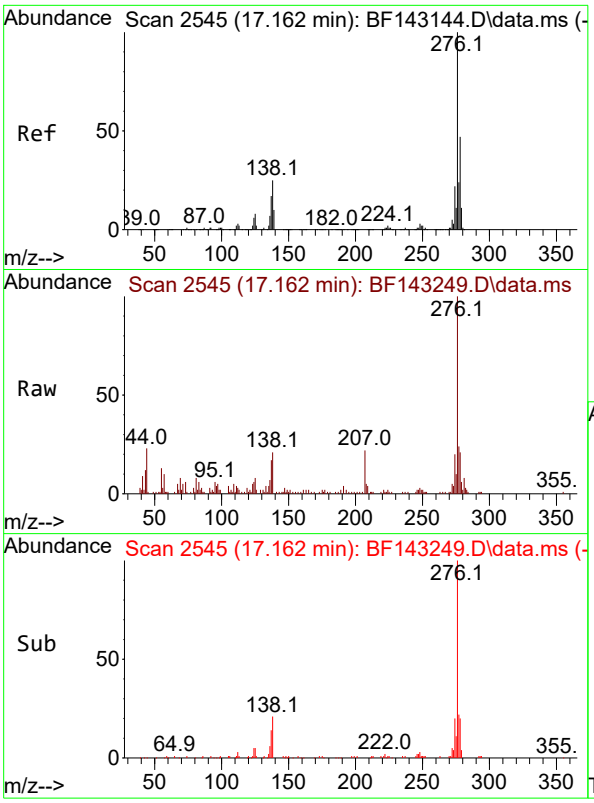


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2285
Delta R.T. 0.012 min
Lab File: BF143249.D
Acq: 25 Jul 2025 14:18

Tgt Ion:264 Resp: 224377

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.5	27.7
265	21.4	17.4	26.2



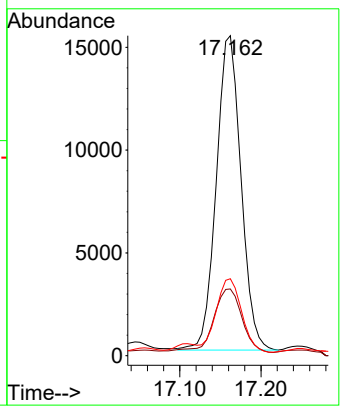


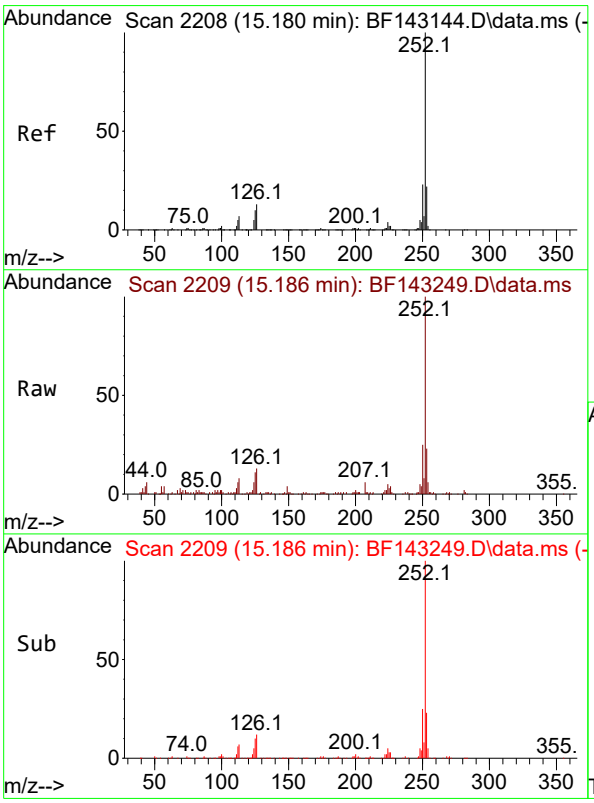
#87
Indeno(1,2,3-cd)pyrene
Concen: 2.046 ng
RT: 17.162 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143249.D
Acq: 25 Jul 2025 14:18

Instrument :
BNA_F
ClientSampleId :
VNJ-251

Tgt Ion:276 Resp: 32374

Ion	Ratio	Lower	Upper
276	100		
138	23.3	21.8	32.6
277	24.7	20.0	30.0

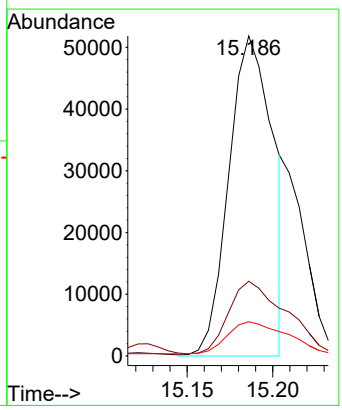


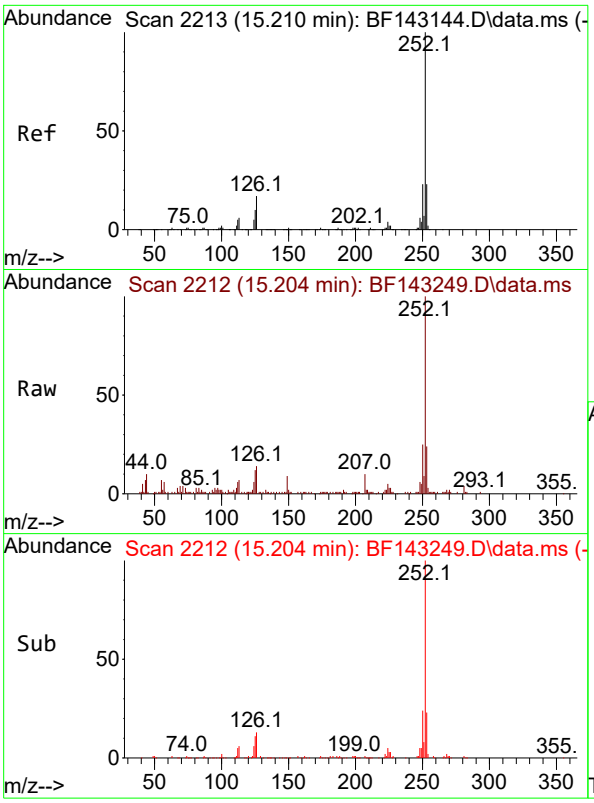


#88
Benzo(b)fluoranthene
Concen: 6.765 ng m
RT: 15.186 min Scan# 2209
Delta R.T. 0.006 min
Lab File: BF143249.D
Acq: 25 Jul 2025 14:18

Tgt Ion:252 Resp: 92730

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.5	26.3
125	10.7	8.0	12.0



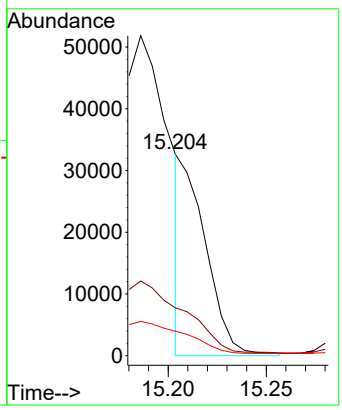


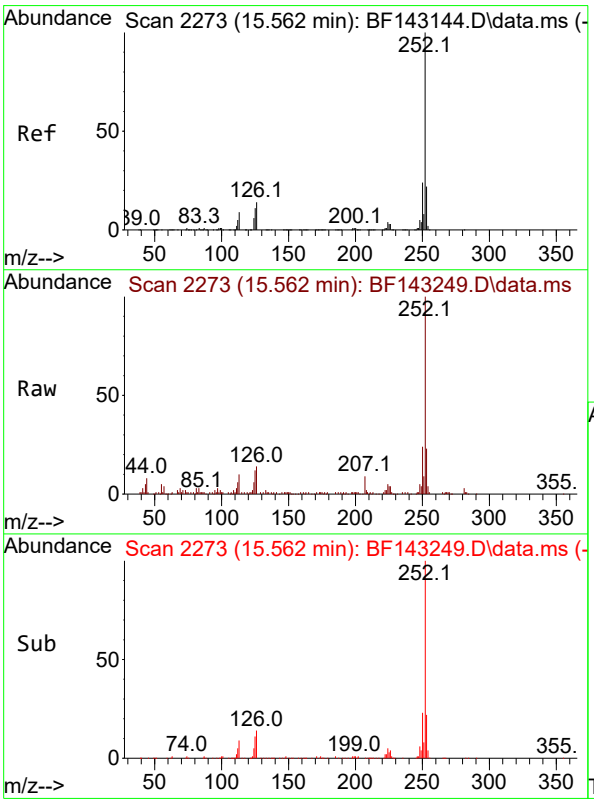
#89
Benzo(k)fluoranthene
Concen: 2.292 ng m
RT: 15.204 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143249.D
Acq: 25 Jul 2025 14:18

Instrument :
BNA_F
ClientSampleId :
VNJ-251

Tgt Ion:252 Resp: 28035

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.8	26.6
125	12.1	8.1	12.1#

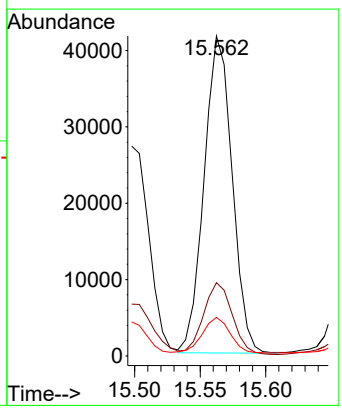


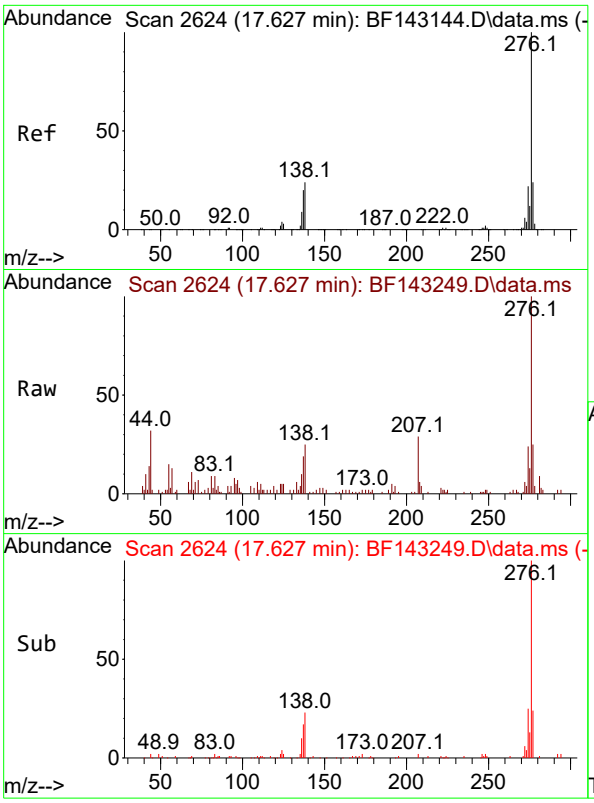


#90
Benzo(a)pyrene
Concen: 4.901 ng
RT: 15.562 min Scan# 2273
Delta R.T. -0.000 min
Lab File: BF143249.D
Acq: 25 Jul 2025 14:18

Tgt Ion:252 Resp: 61892

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.3	25.9
125	12.0	8.6	13.0





#92
Benzo(g,h,i)perylene
Concen: 2.344 ng
RT: 17.627 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143249.D
Acq: 25 Jul 2025 14:18

Instrument :
BNA_F
ClientSampleId :
VNJ-251

Tgt Ion:276 Resp: 29199

Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.1	28.7
138	25.2	18.9	28.3