Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121924\
Data File : BF140929.D
Acq On : 19 Dec 2024 16:31
Operator : RC/JU
Sample : P5343-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ210

Quant Time: Dec 19 17:39:51 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	58690	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	234839	20.000	ng	0.00
39) Acenaphthene-d10	9.881	164	104304	20.000	ng	0.00
64) Phenanthrene-d10	11.375	188	191598	20.000	ng	0.00
76) Chrysene-d12	14.022	240	139633	20.000	ng	-0.01
86) Perylene-d12	15.510	264	147350	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	466660	130.893	ng	0.00
7) Phenol-d6	6.498	99	607494	128.648	ng	0.00
23) Nitrobenzene-d5	7.416	82	379789	80.912	ng	0.00
42) 2,4,6-Tribromophenol	10.681	330	149482	121.174	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	691932	91.205	ng	0.00
79) Terphenyl-d14	12.957	244	554166	62.582	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.398	178	85035	8.631	ng	98
75) Fluoranthene	12.592	202	164782	14.522	ng	99
78) Pyrene	12.822	202	171485	13.811	ng	98
81) Benzo(a)anthracene	14.016	228	94680	9.567	ng	95
83) Chrysene	14.051	228	79246	8.806	ng	97
87) Indeno(1,2,3-cd)pyrene	17.021	276	51086	5.556	ng	95
88) Benzo(b)fluoranthene	15.080	252	108994m	10.656	ng	
89) Benzo(k)fluoranthene	15.098	252	28533m	3.252	ng	
90) Benzo(a)pyrene	15.451	252	77788	9.712	ng	99
92) Benzo(g,h,i)perylene	17.480	276	47244	6.094	ng	97

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

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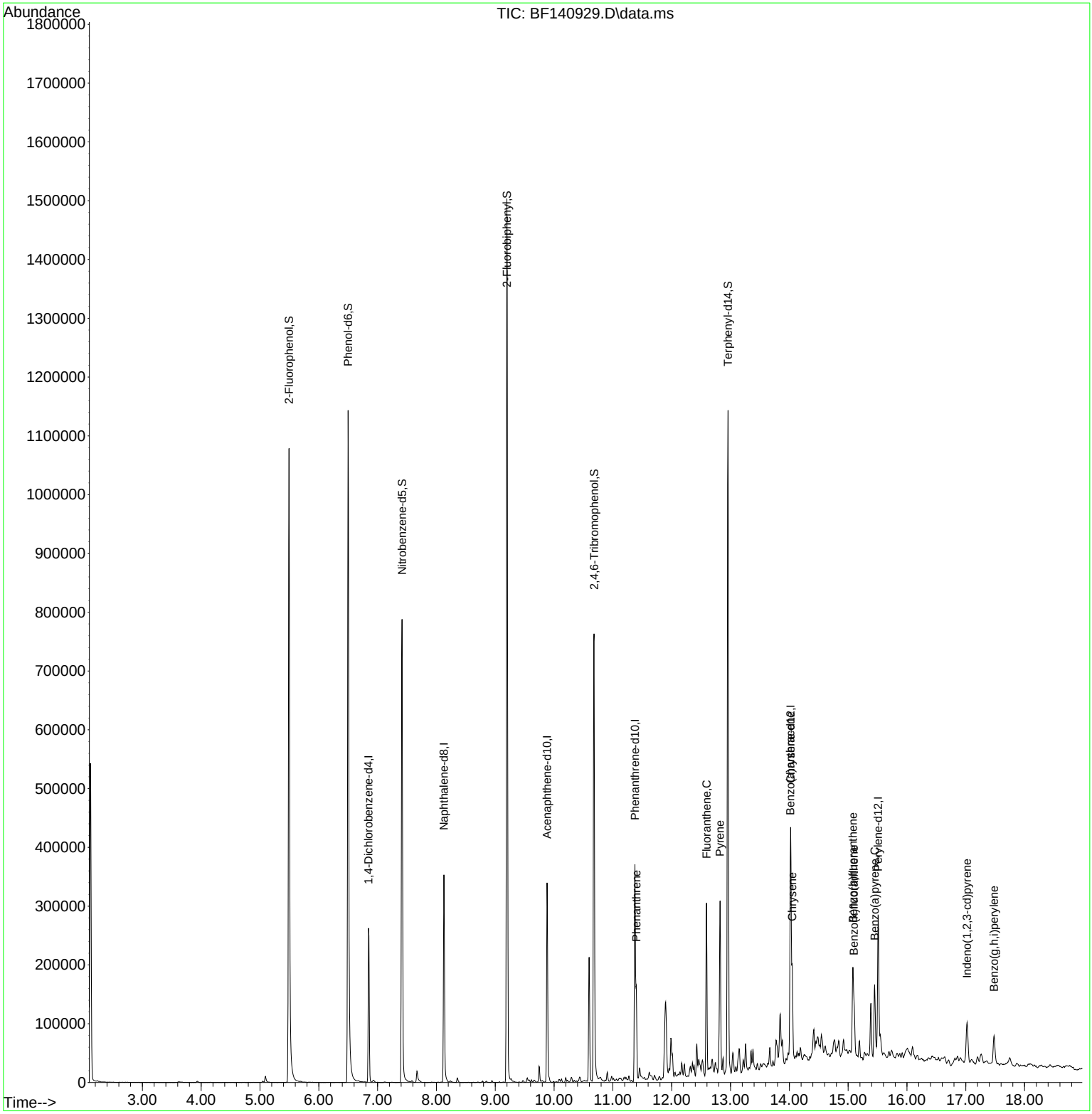
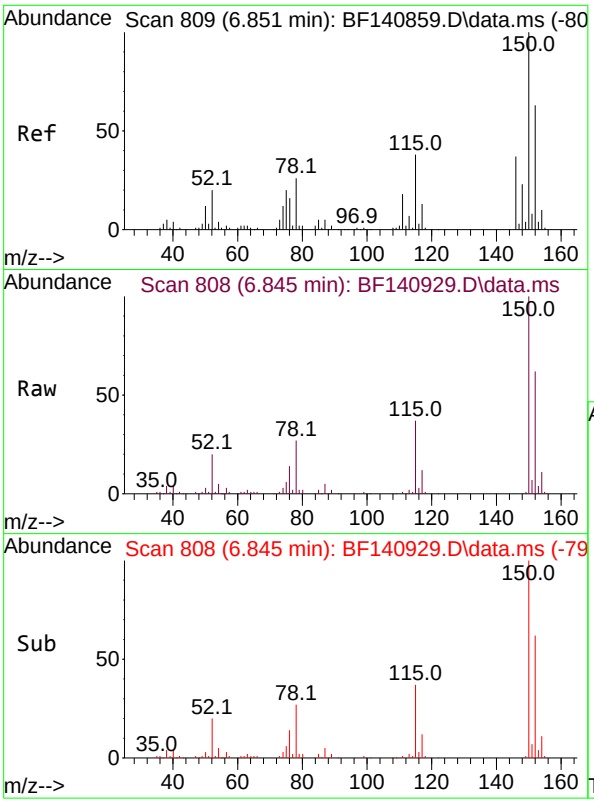


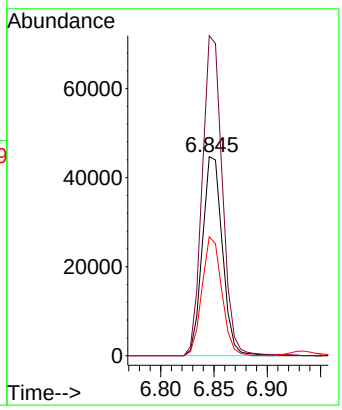


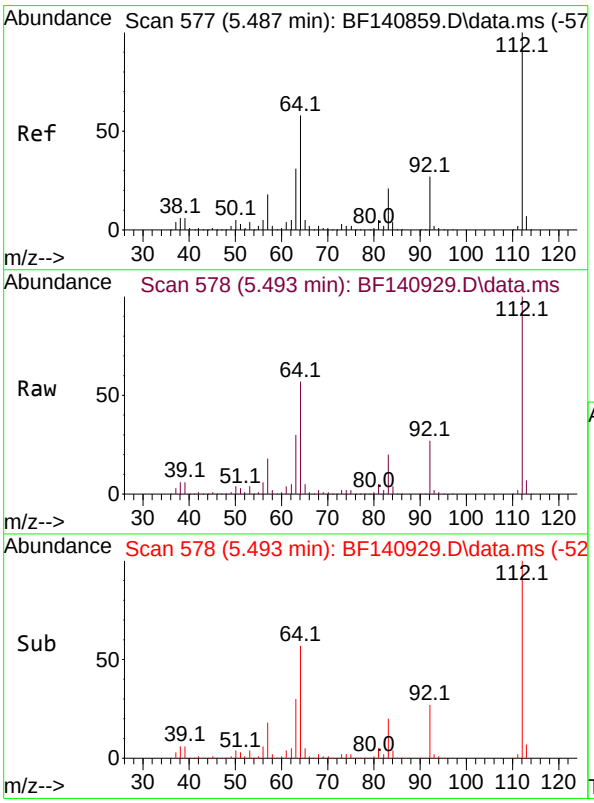
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF140929.D
Acq: 19 Dec 2024 16:31

Instrument :
BNA_F
ClientSampleId :
VNJ210

Tgt Ion:152 Resp: 58690

Ion	Ratio	Lower	Upper
152	100		
150	160.8	127.9	191.9
115	59.7	48.0	72.0

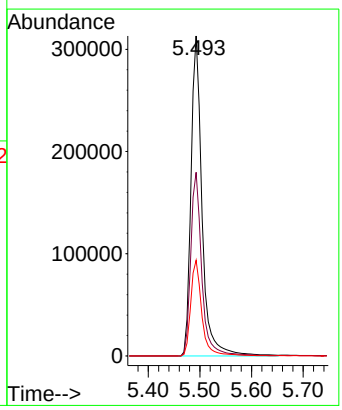


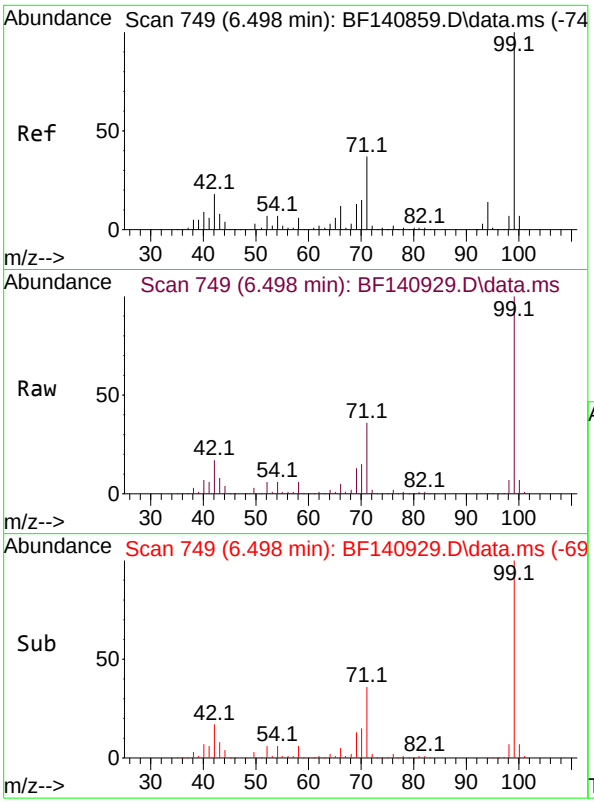


#5
2-Fluorophenol
Concen: 130.893 ng
RT: 5.493 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF140929.D
Acq: 19 Dec 2024 16:31

Tgt Ion:112 Resp: 466660

Ion	Ratio	Lower	Upper
112	100		
64	57.4	46.1	69.1
63	29.9	24.9	37.3



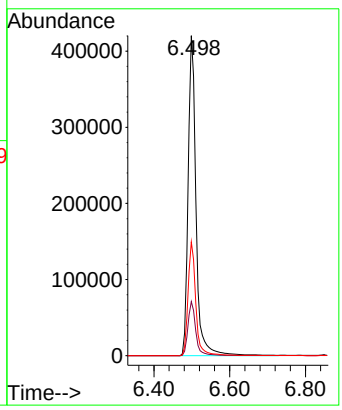


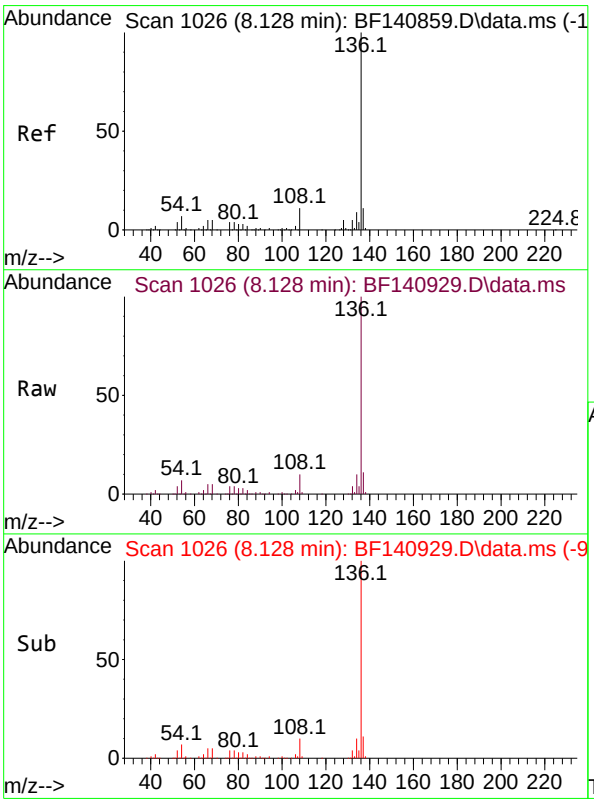
#7
Phenol-d6
Concen: 128.648 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF140929.D
Acq: 19 Dec 2024 16:31

Instrument :
BNA_F
ClientSampleId :
VNJ210

Tgt Ion: 99 Resp: 607494

Ion	Ratio	Lower	Upper
99	100		
42	16.9	14.3	21.5
71	35.5	29.9	44.9

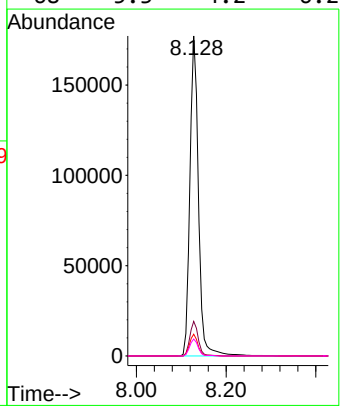


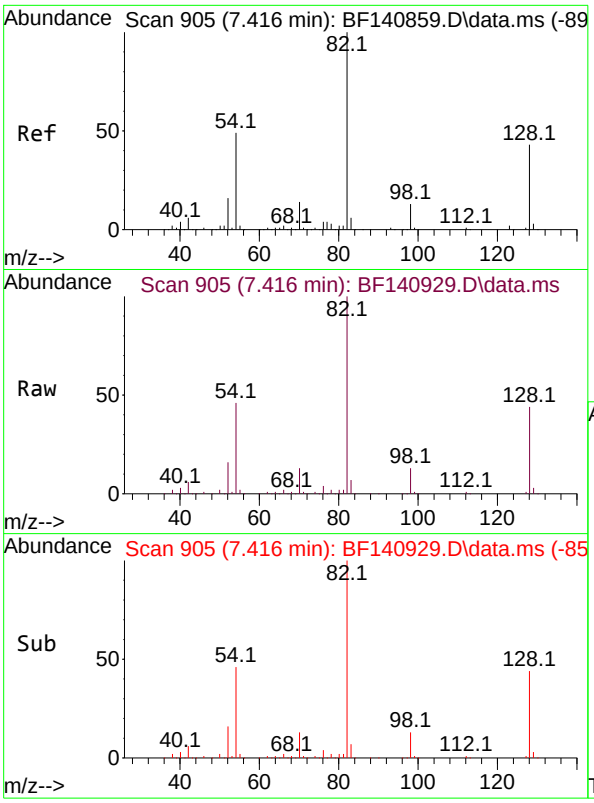


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BF140929.D
Acq: 19 Dec 2024 16:31

Tgt Ion:136 Resp: 234839

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.4
54	6.8	5.6	8.4
68	5.3	4.2	6.2



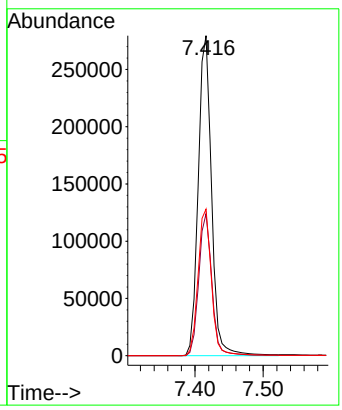


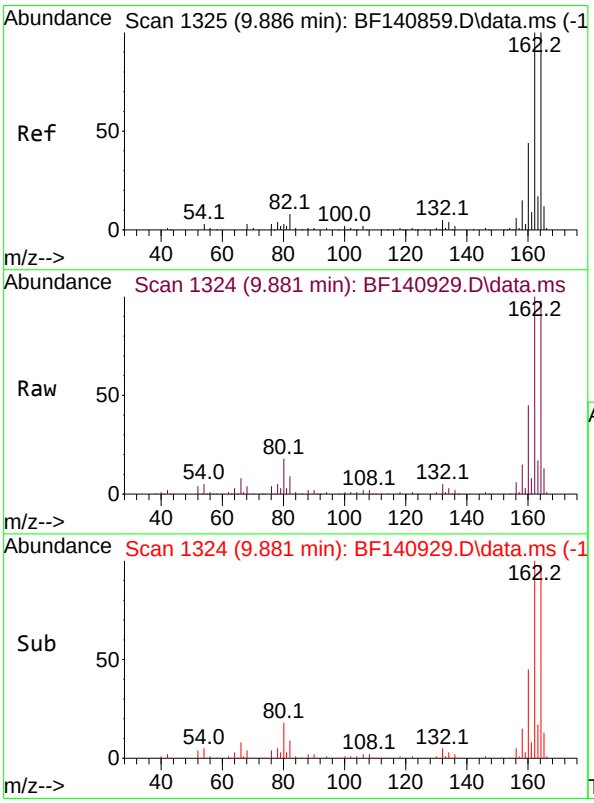
#23
Nitrobenzene-d5
Concen: 80.912 ng
RT: 7.416 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF140929.D
Acq: 19 Dec 2024 16:31

Instrument :
BNA_F
ClientSampleId :
VNJ210

Tgt Ion: 82 Resp: 379789

Ion	Ratio	Lower	Upper
82	100		
128	44.4	34.4	51.6
54	45.8	38.8	58.2

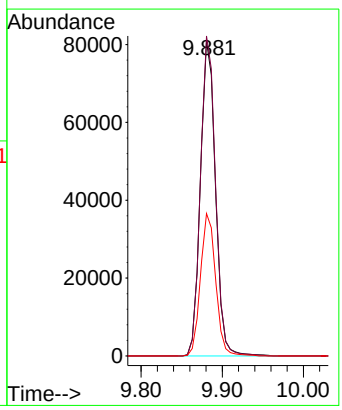


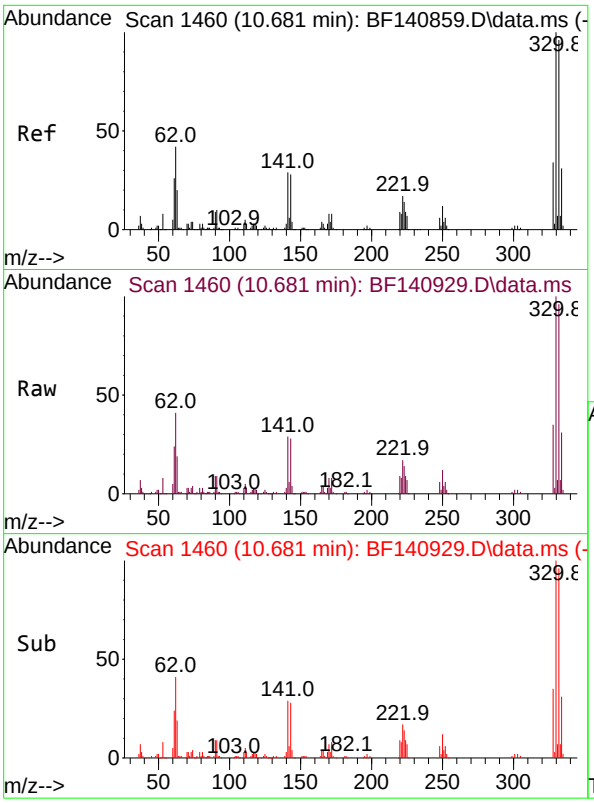


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF140929.D
Acq: 19 Dec 2024 16:31

Tgt Ion:164 Resp: 104304

Ion	Ratio	Lower	Upper
164	100		
162	101.7	79.9	119.9
160	45.3	35.2	52.8



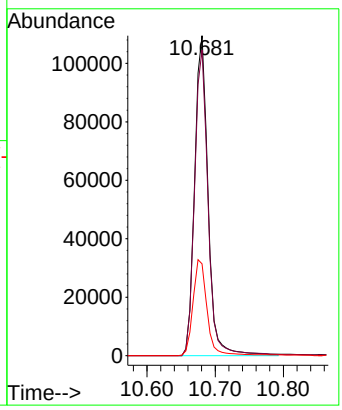


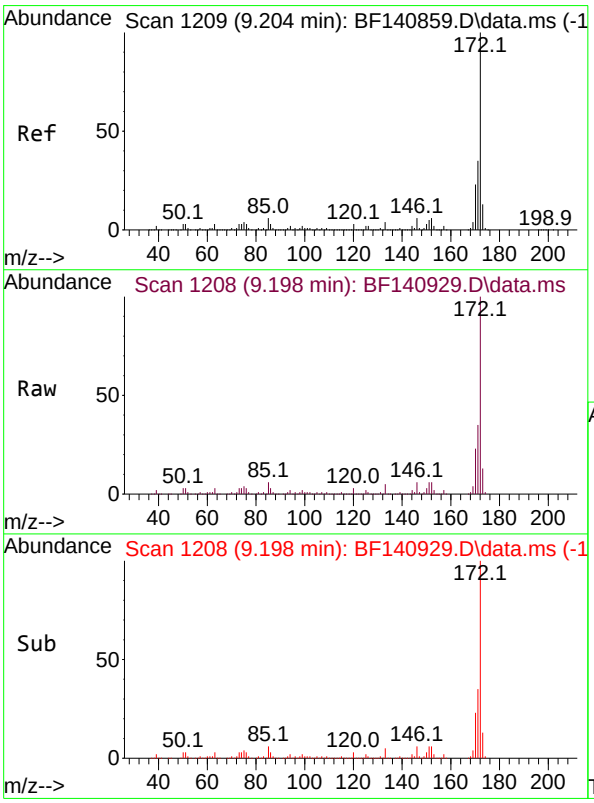
#42
2,4,6-Tribromophenol
Concen: 121.174 ng
RT: 10.681 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF140929.D
Acq: 19 Dec 2024 16:31

Instrument :
BNA_F
ClientSampleId :
VNJ210

Tgt Ion:330 Resp: 149482

Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.2	114.4
141	32.0	24.9	37.3

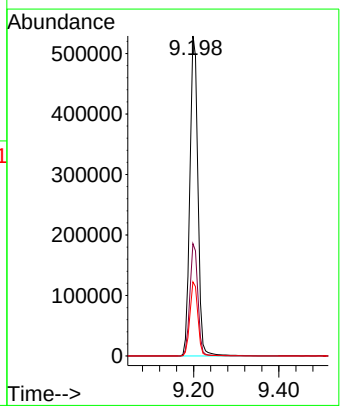


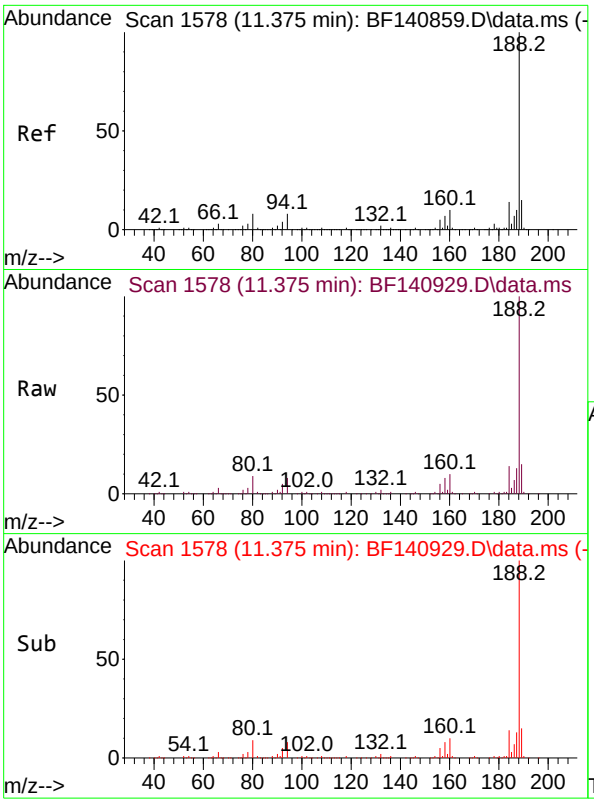


#45
2-Fluorobiphenyl
Concen: 91.205 ng
RT: 9.198 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF140929.D
Acq: 19 Dec 2024 16:31

Tgt Ion:172 Resp: 691932

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.4	42.6
170	23.1	18.6	28.0



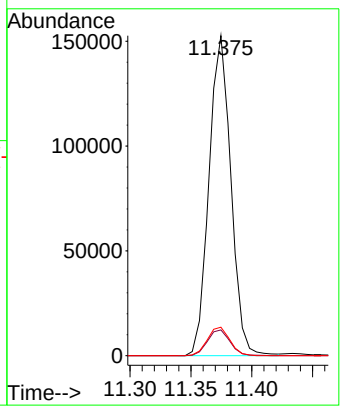


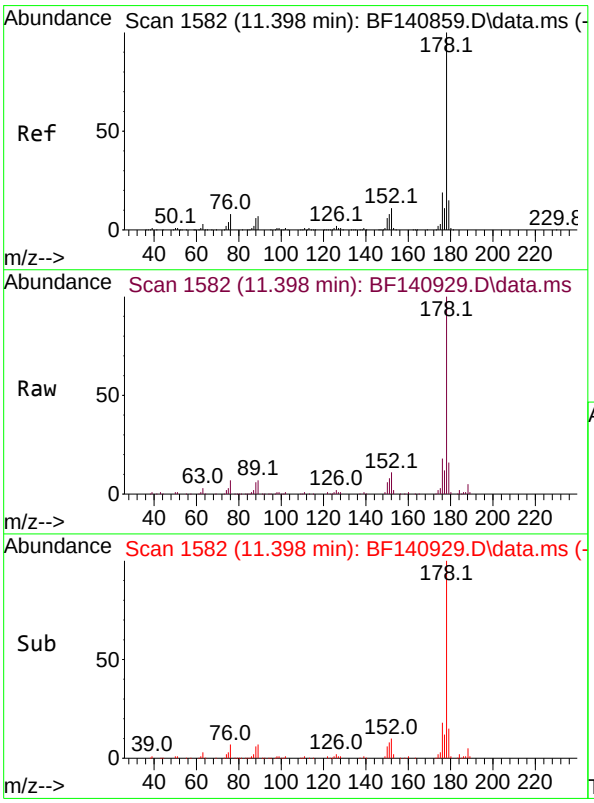
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140929.D
Acq: 19 Dec 2024 16:31

Instrument :
BNA_F
ClientSampleId :
VNJ210

Tgt Ion:188 Resp: 191598

Ion	Ratio	Lower	Upper
188	100		
94	8.1	6.4	9.6
80	8.9	6.8	10.2

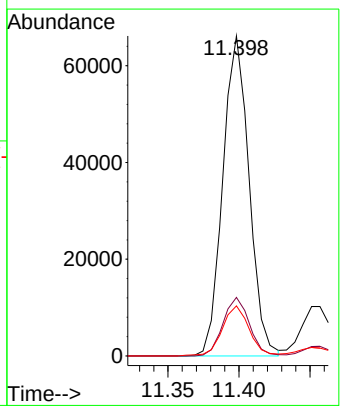


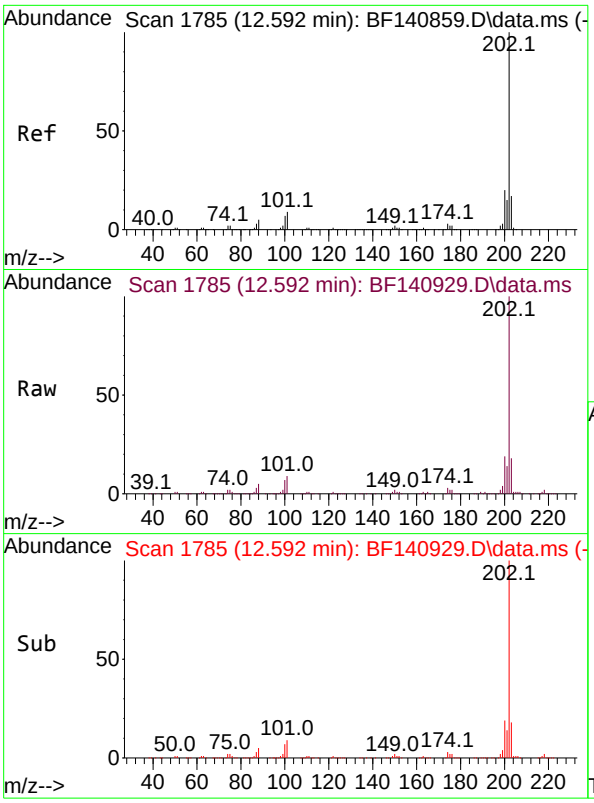


#71
Phenanthrene
Concen: 8.631 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.000 min
Lab File: BF140929.D
Acq: 19 Dec 2024 16:31

Tgt Ion:178 Resp: 85035

Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	15.6	12.1	18.1



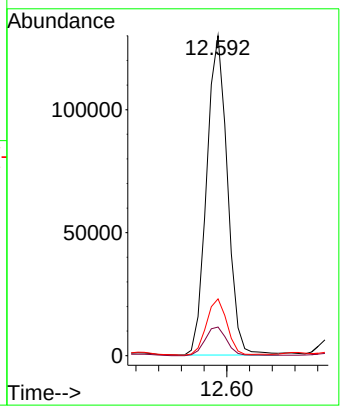


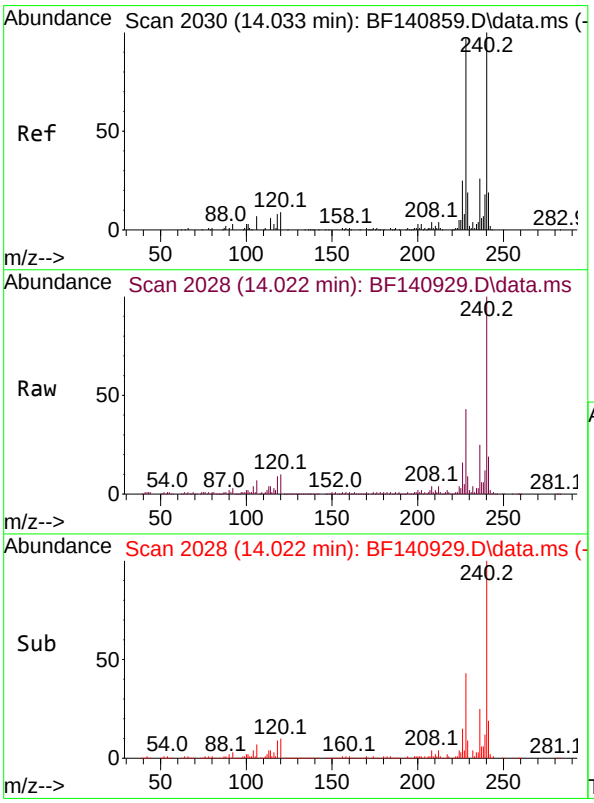
#75
Fluoranthene
Concen: 14.522 ng
RT: 12.592 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140929.D
Acq: 19 Dec 2024 16:31

Instrument :
BNA_F
ClientSampleId :
VNJ210

Tgt Ion:202 Resp: 164782

Ion	Ratio	Lower	Upper
202	100		
101	9.0	0.0	29.3
203	17.8	0.0	37.4

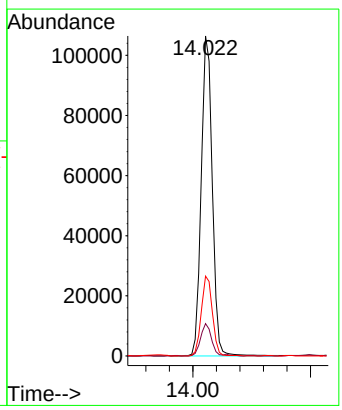


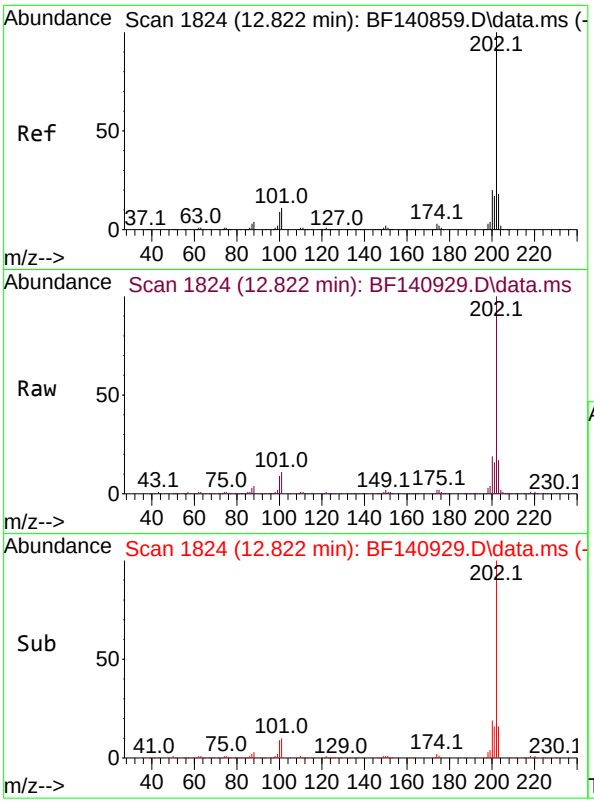


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.022 min Scan# 2028
Delta R.T. -0.012 min
Lab File: BF140929.D
Acq: 19 Dec 2024 16:31

Tgt Ion:240 Resp: 139633

Ion	Ratio	Lower	Upper
240	100		
120	10.1	7.6	11.4
236	24.9	20.5	30.7



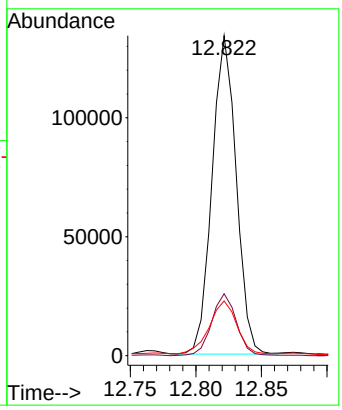


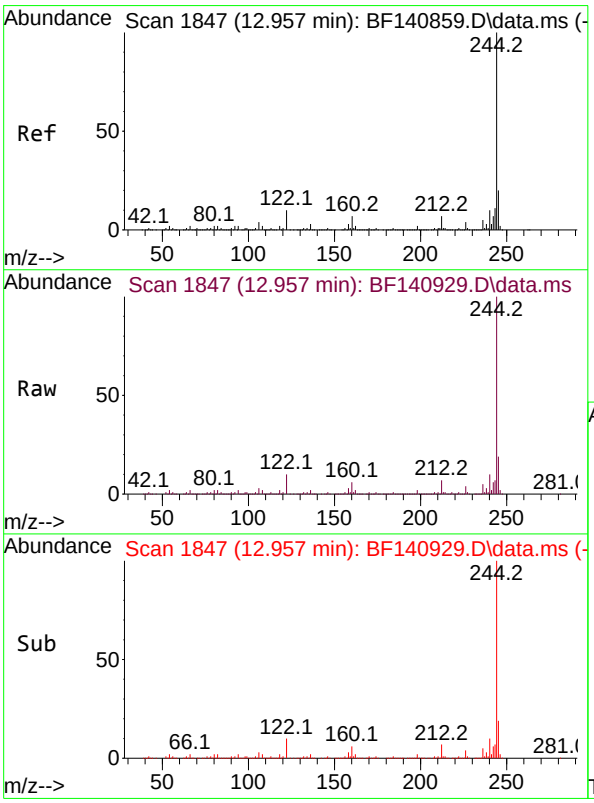
#78
Pyrene
Concen: 13.811 ng
RT: 12.822 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140929.D
Acq: 19 Dec 2024 16:31

Instrument :
BNA_F
ClientSampleId :
VNJ210

Tgt Ion:202 Resp: 171485

Ion	Ratio	Lower	Upper
202	100		
200	19.3	16.1	24.1
203	17.1	14.2	21.4

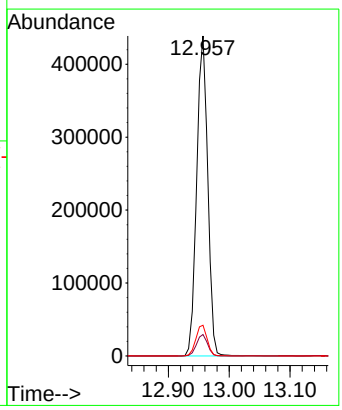


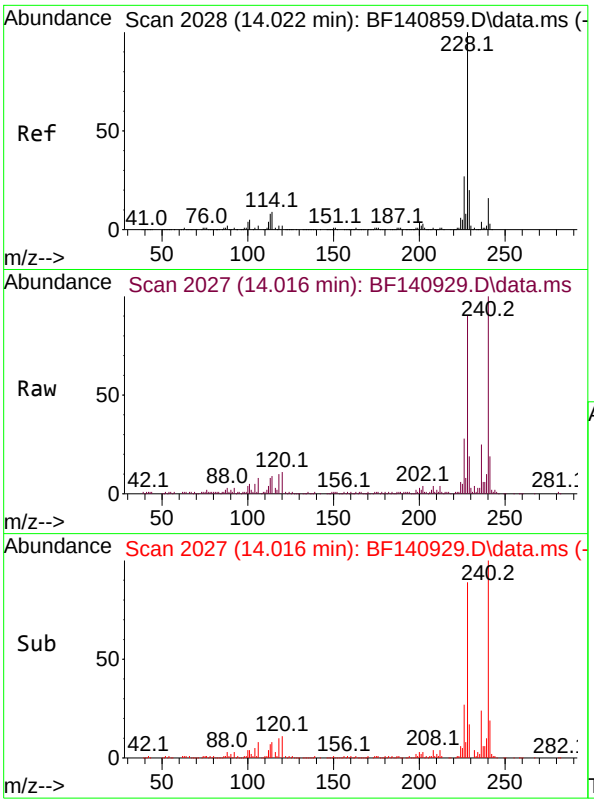


#79
Terphenyl-d14
Concen: 62.582 ng
RT: 12.957 min Scan# 1847
Delta R.T. 0.000 min
Lab File: BF140929.D
Acq: 19 Dec 2024 16:31

Tgt Ion:244 Resp: 554166

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.6	8.4
122	9.6	8.2	12.2



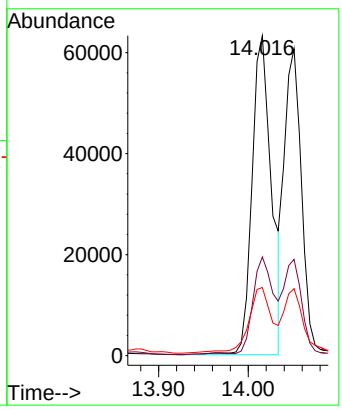


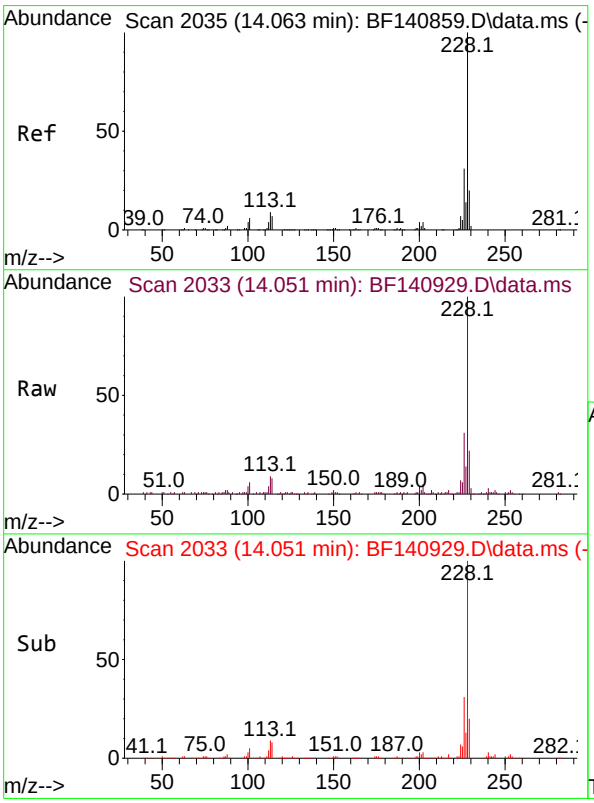
#81
Benzo(a)anthracene
Concen: 9.567 ng
RT: 14.016 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF140929.D
Acq: 19 Dec 2024 16:31

Instrument :
BNA_F
ClientSampleId :
VNJ210

Tgt Ion:228 Resp: 94680

Ion	Ratio	Lower	Upper
228	100		
226	30.9	21.8	32.8
229	21.3	15.8	23.8

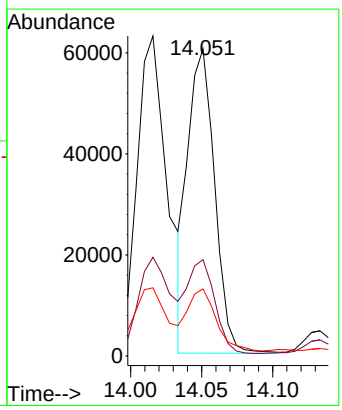


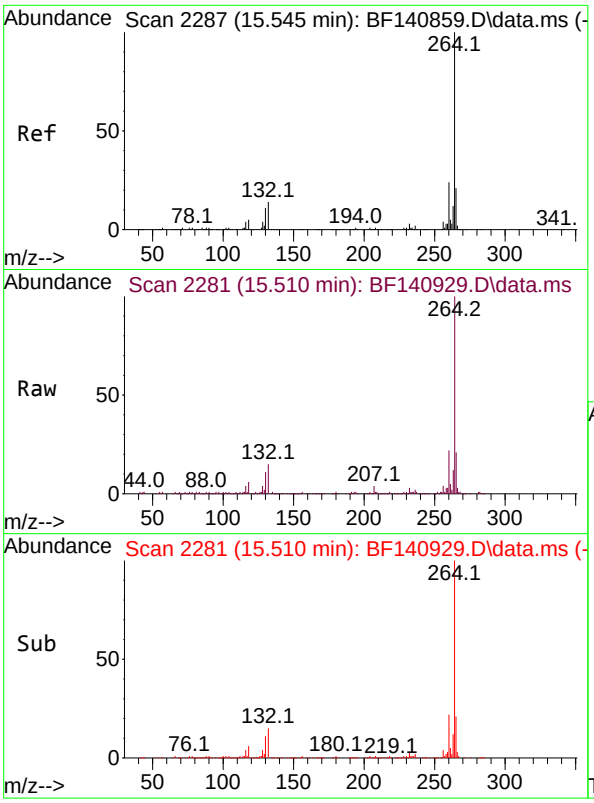


#83
Chrysene
Concen: 8.806 ng
RT: 14.051 min Scan# 2033
Delta R.T. -0.012 min
Lab File: BF140929.D
Acq: 19 Dec 2024 16:31

Tgt Ion:228 Resp: 79246

Ion	Ratio	Lower	Upper
228	100		
226	31.4	24.1	36.1
229	21.8	16.0	24.0



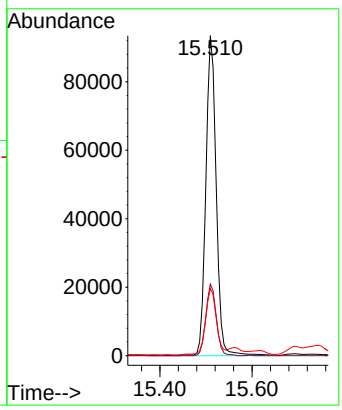


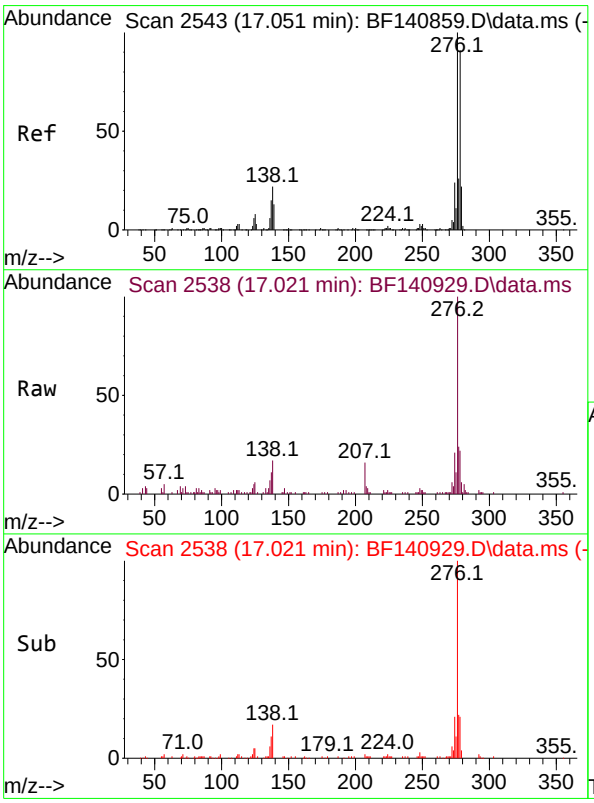
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 2
Delta R.T. -0.035 min
Lab File: BF140929.D
Acq: 19 Dec 2024 16:31

Instrument :
BNA_F
ClientSampleId :
VNJ210

Tgt Ion:264 Resp: 147350

Ion	Ratio	Lower	Upper
264	100		
260	22.4	19.1	28.7
265	21.0	17.0	25.4

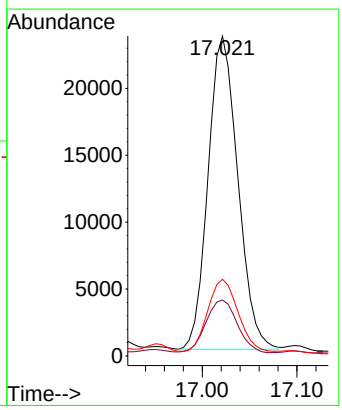


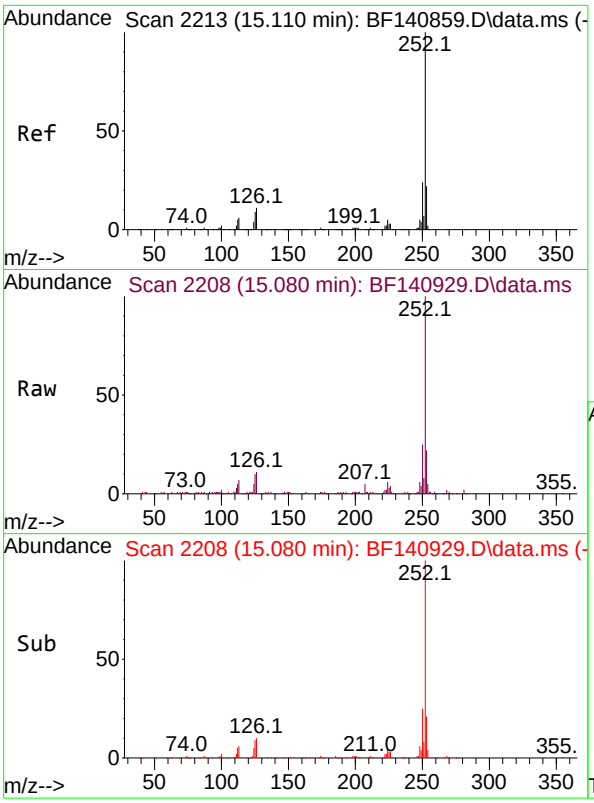


#87
Indeno(1,2,3-cd)pyrene
Concen: 5.556 ng
RT: 17.021 min Scan# 2538
Delta R.T. -0.029 min
Lab File: BF140929.D
Acq: 19 Dec 2024 16:31

Tgt Ion:276 Resp: 51086

Ion	Ratio	Lower	Upper
276	100		
138	17.9	16.9	25.3
277	23.2	20.2	30.4



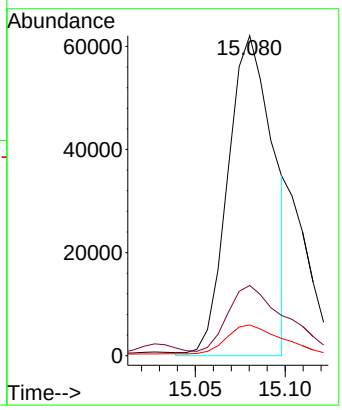


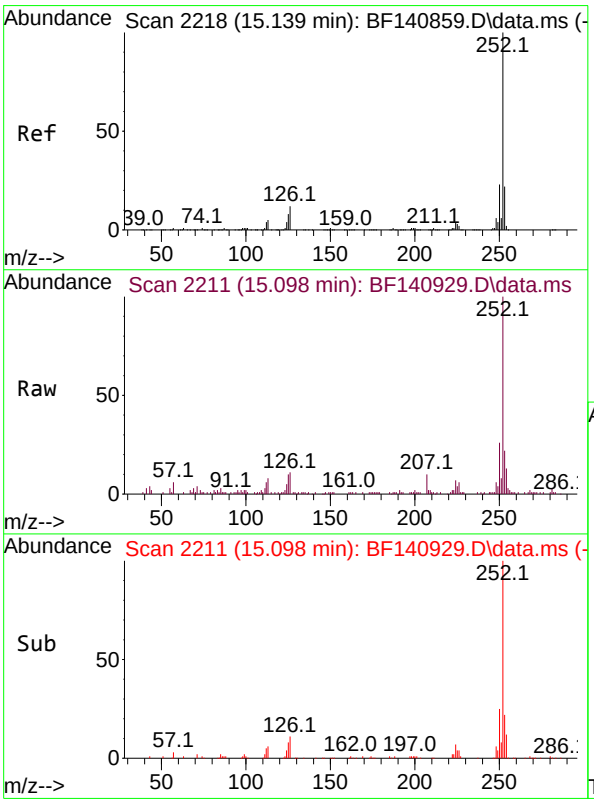
#88
Benzo(b)fluoranthene
Concen: 10.656 ng m
RT: 15.080 min Scan# 2
Delta R.T. -0.029 min
Lab File: BF140929.D
Acq: 19 Dec 2024 16:31

Instrument :
BNA_F
ClientSampleId :
VNJ210

Tgt Ion:252 Resp: 108994

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.6
125	9.6	7.0	10.4

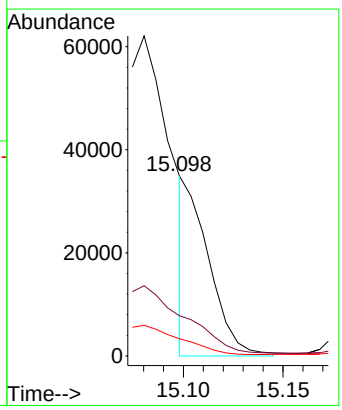


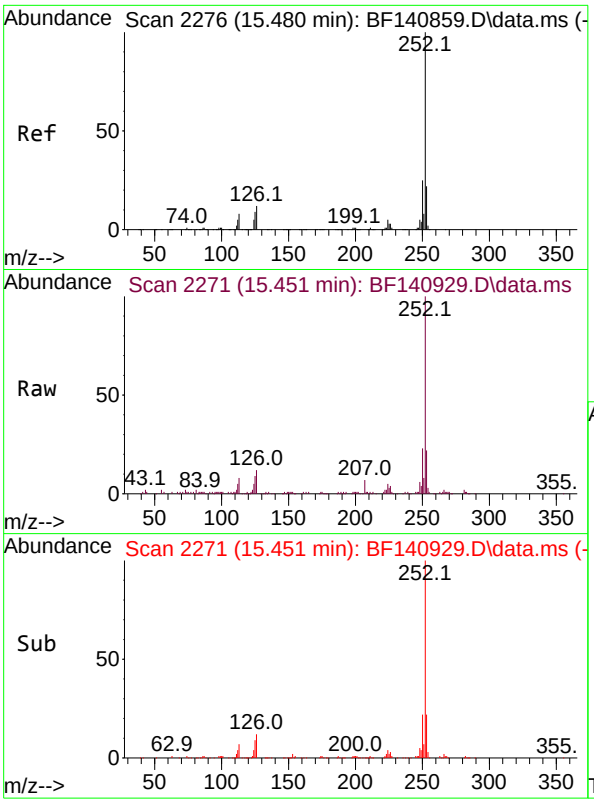


#89
Benzo(k)fluoranthene
Concen: 3.252 ng m
RT: 15.098 min Scan# 2211
Delta R.T. -0.041 min
Lab File: BF140929.D
Acq: 19 Dec 2024 16:31

Tgt Ion:252 Resp: 28533

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	9.6	6.8	10.2



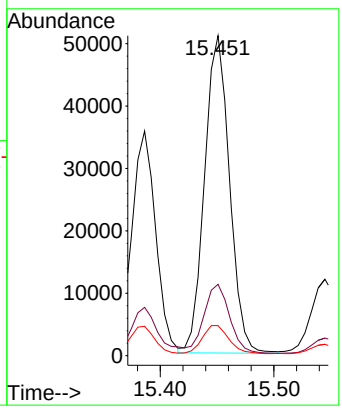


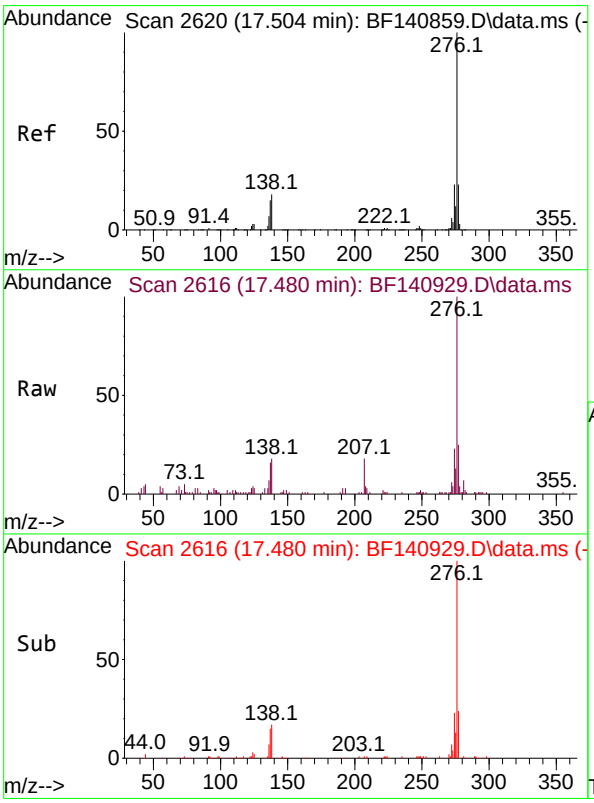
#90
Benzo(a)pyrene
Concen: 9.712 ng
RT: 15.451 min Scan# 2
Delta R.T. -0.029 min
Lab File: BF140929.D
Acq: 19 Dec 2024 16:31

Instrument :
BNA_F
ClientSampleId :
VNJ210

Tgt Ion:252 Resp: 77788

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	9.4	7.5	11.3





#92
Benzo(g,h,i)perylene
Concen: 6.094 ng
RT: 17.480 min Scan# 2616
Delta R.T. -0.024 min
Lab File: BF140929.D
Acq: 19 Dec 2024 16:31

Tgt Ion:276 Resp: 47244

Ion	Ratio	Lower	Upper
276	100		
277	25.2	18.7	28.1
138	18.3	14.2	21.2