Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061725\
Data File : BP024984.D
Acq On : 17 Jun 2025 20:50
Operator : RC/JU
Sample : Q2337-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OR-02-061625

Quant Time: Jun 18 01:12:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.608	152	253050	20.000	ng		0.00
21) Naphthalene-d8	10.378	136	1030538	20.000	ng		0.00
39) Acenaphthene-d10	14.260	164	664448	20.000	ng		0.01
64) Phenanthrene-d10	17.060	188	1337390	20.000	ng		0.00
76) Chrysene-d12	21.495	240	1419198	20.000	ng		0.01
86) Perylene-d12	24.765	264	1634653	20.000	ng		0.05
System Monitoring Compounds							
5) 2-Fluorophenol	5.243	112	249894	16.484	ng		0.00
7) Phenol-d6	6.831	99	318355	15.872	ng		0.02
23) Nitrobenzene-d5	8.766	82	199456	9.405	ng		0.00
42) 2,4,6-Tribromophenol	15.790	330	148449	16.160	ng		0.00
45) 2-Fluorobiphenyl	12.860	172	468878	9.506	ng		0.00
79) Terphenyl-d14	19.783	244	831927	10.506	ng		-0.01
Target Compounds							Qvalue
49) Acenaphthylene	13.984	152	141294	2.283	ng		99
71) Phenanthrene	17.101	178	1372998	18.578	ng		99
72) Anthracene	17.201	178	592140	7.911	ng		99
75) Fluoranthene	19.189	202	3308397	38.622	ng		99
78) Pyrene	19.572	202	3497946	39.452	ng		100
81) Benzo(a)anthracene	21.472	228	1784722	19.662	ng		99
83) Chrysene	21.536	228	1520362	17.677	ng		97
87) Indeno(1,2,3-cd)pyrene	28.495	276	1073146	8.998	ng		97
88) Benzo(b)fluoranthene	23.736	252	2065105	22.074	ng	#	97
89) Benzo(k)fluoranthene	23.795	252	648204m	6.807	ng		
90) Benzo(a)pyrene	24.613	252	1689568	18.493	ng		98
91) Dibenzo(a,h)anthracene	28.548	278	282812m	2.913	ng		
92) Benzo(g,h,i)perylene	29.648	276	1100794	11.428	ng		97

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

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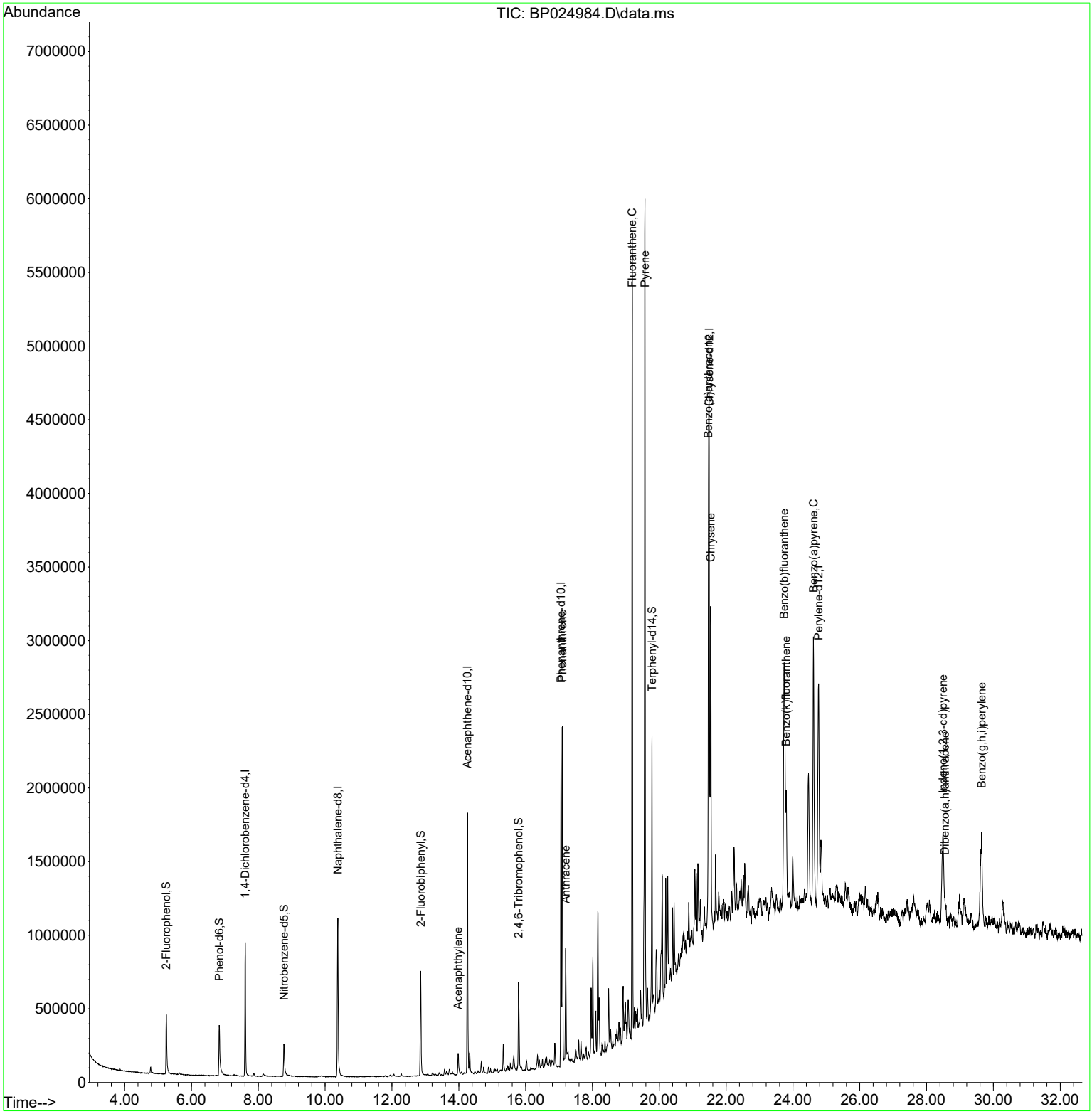
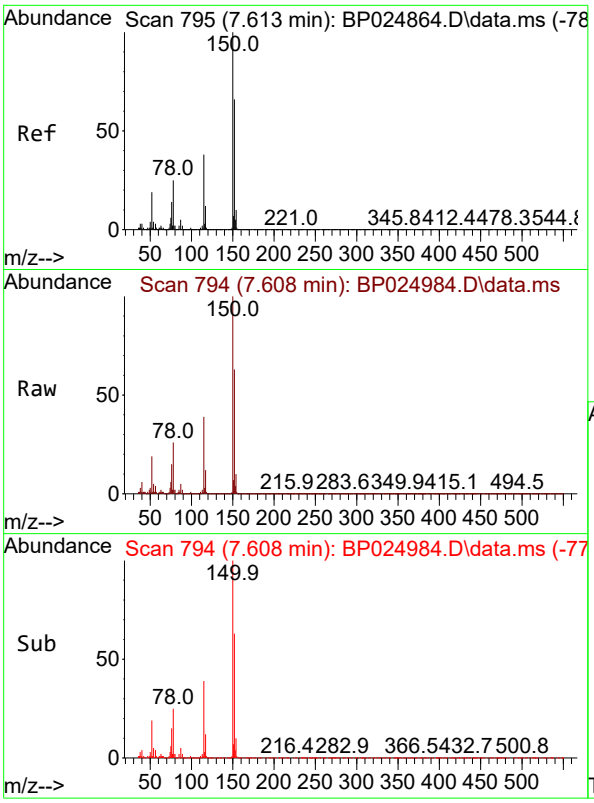


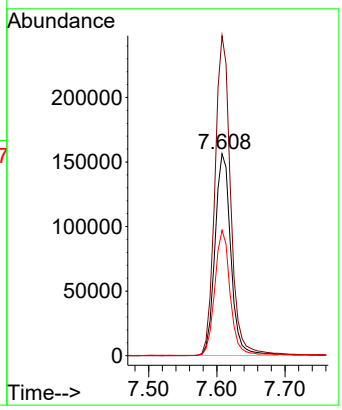


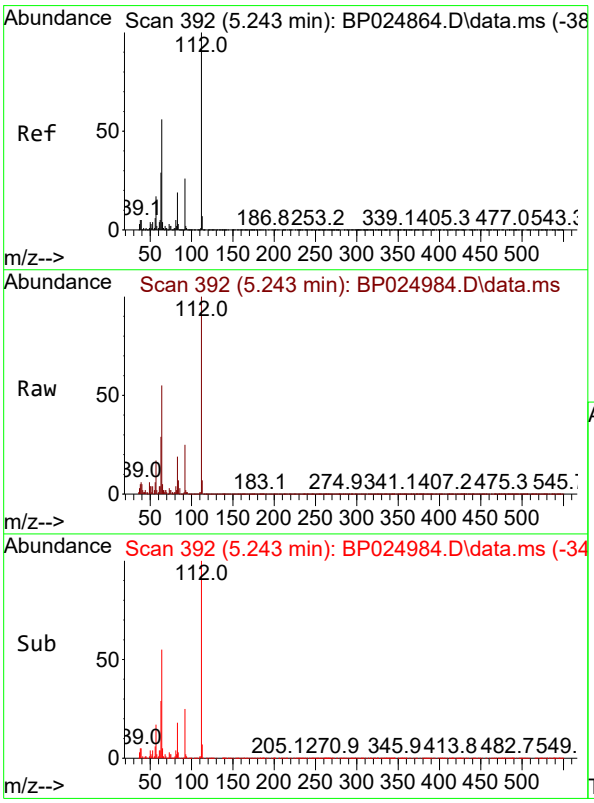
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.608 min Scan# 7
Delta R.T. -0.005 min
Lab File: BP024984.D
Acq: 17 Jun 2025 20:50

Instrument :
BNA_P
ClientSampleId :
OR-02-061625

Tgt Ion:152 Resp: 253050

Ion	Ratio	Lower	Upper
152	100		
150	158.5	122.1	183.1
115	62.1	46.4	69.6

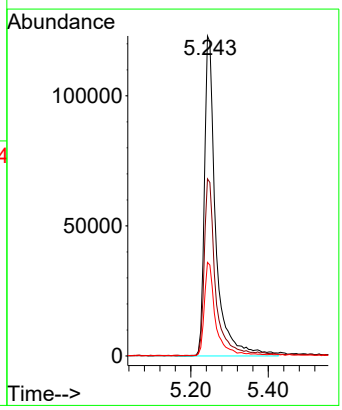


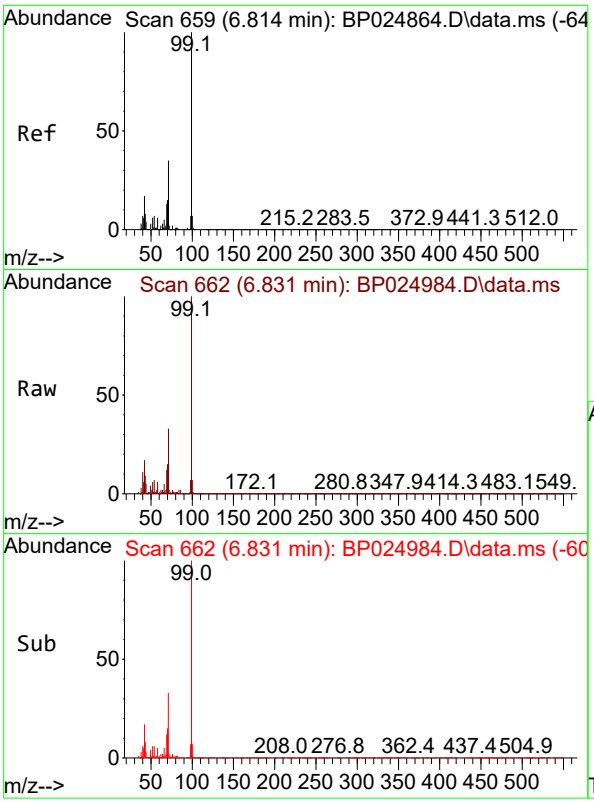


#5
2-Fluorophenol
Concen: 16.484 ng
RT: 5.243 min Scan# 392
Delta R.T. -0.000 min
Lab File: BP024984.D
Acq: 17 Jun 2025 20:50

Tgt Ion:112 Resp: 249894

Ion	Ratio	Lower	Upper
112	100		
64	55.3	44.7	67.1
63	29.2	23.5	35.3



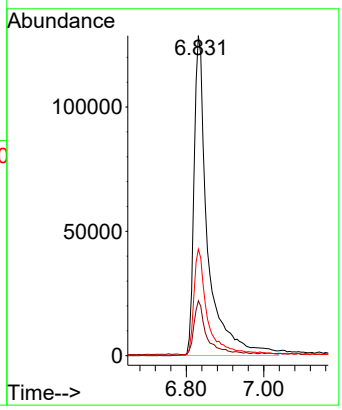


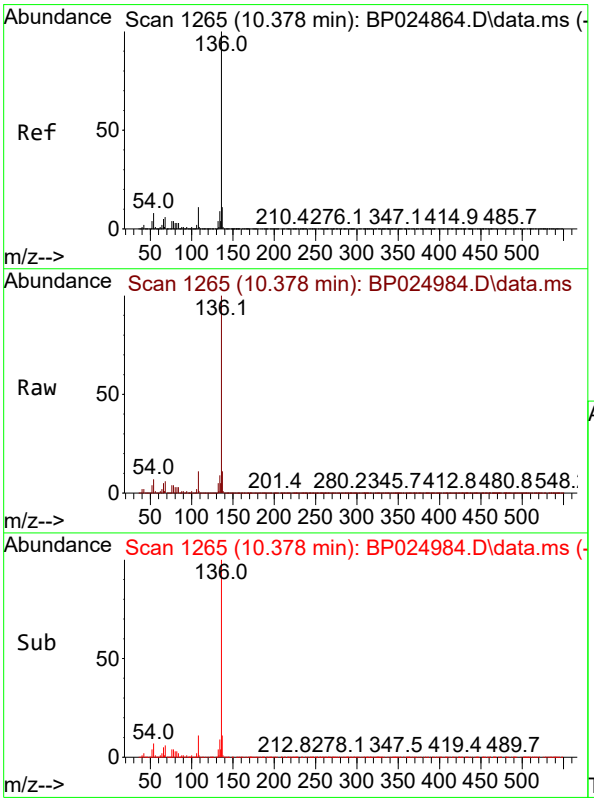
#7
Phenol-d6
Concen: 15.872 ng
RT: 6.831 min Scan# 6
Delta R.T. 0.018 min
Lab File: BP024984.D
Acq: 17 Jun 2025 20:50

Instrument :
BNA_P
ClientSampleId :
OR-02-061625

Tgt Ion: 99 Resp: 318355

Ion	Ratio	Lower	Upper
99	100		
42	17.1	13.4	20.2
71	33.3	27.6	41.4

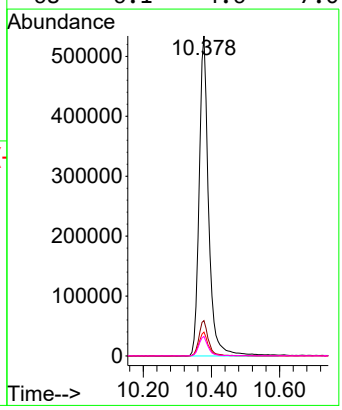


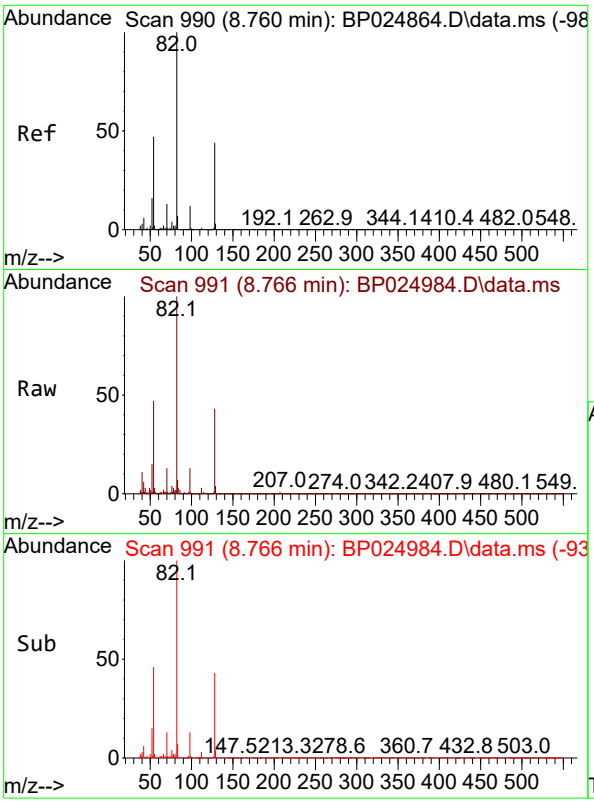


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.378 min Scan# 1265
Delta R.T. 0.000 min
Lab File: BP024984.D
Acq: 17 Jun 2025 20:50

Tgt Ion:136 Resp: 1030538

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	7.5	6.1	9.1
68	6.1	4.6	7.0



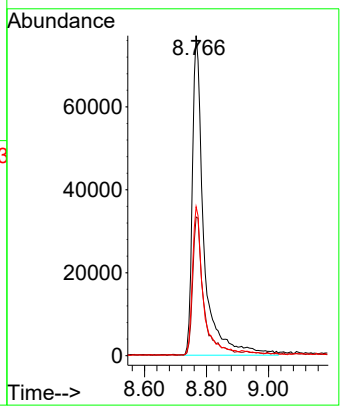


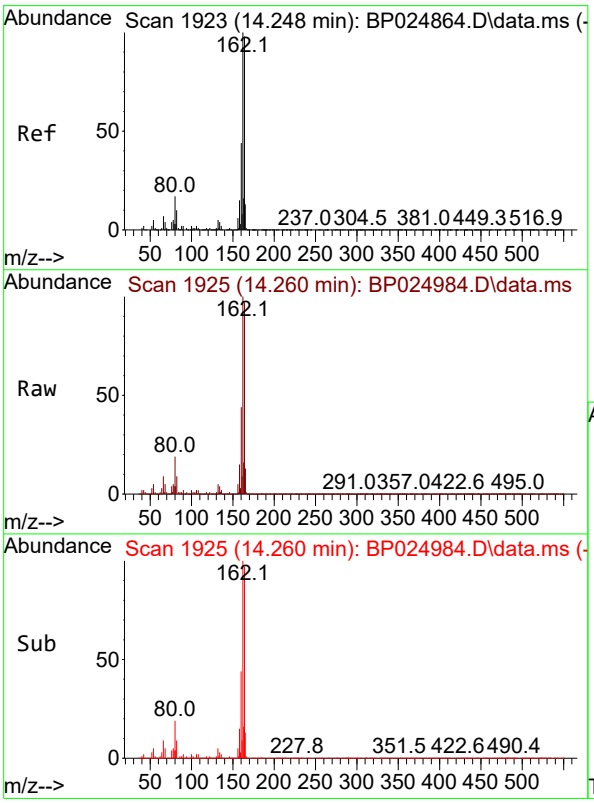
#23
Nitrobenzene-d5
Concen: 9.405 ng
RT: 8.766 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP024984.D
Acq: 17 Jun 2025 20:50

Instrument :
BNA_P
ClientSampleId :
OR-02-061625

Tgt Ion: 82 Resp: 199456

Ion	Ratio	Lower	Upper
82	100		
128	43.4	35.3	52.9
54	46.6	37.4	56.0

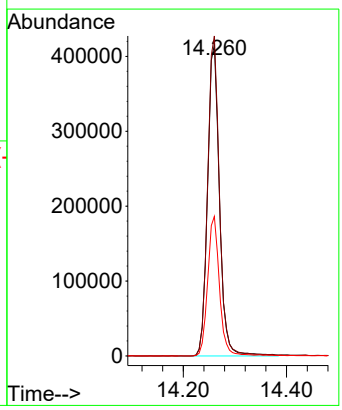


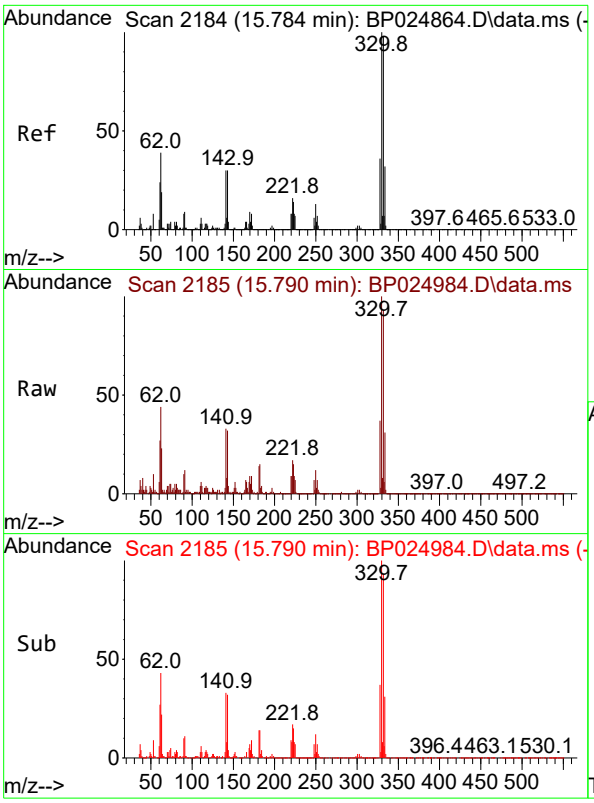


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.260 min Scan# 1925
Delta R.T. 0.012 min
Lab File: BP024984.D
Acq: 17 Jun 2025 20:50

Tgt Ion:164 Resp: 664448

Ion	Ratio	Lower	Upper
164	100		
162	102.8	81.6	122.4
160	44.8	36.2	54.2



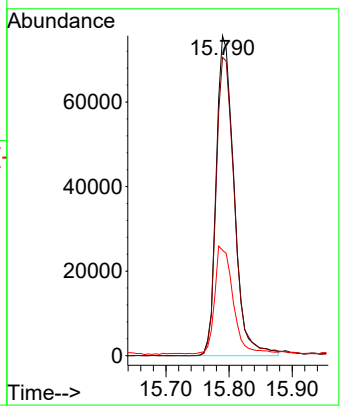


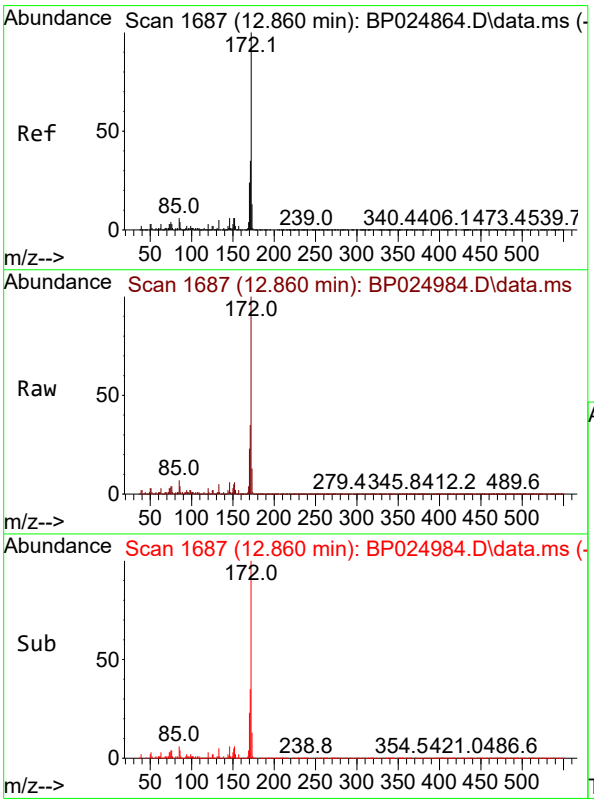
#42
2,4,6-Tribromophenol
Concen: 16.160 ng
RT: 15.790 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024984.D
Acq: 17 Jun 2025 20:50

Instrument :
BNA_P
ClientSampleId :
OR-02-061625

Tgt Ion:330 Resp: 148449

Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.7	116.5
141	34.4	26.4	39.6

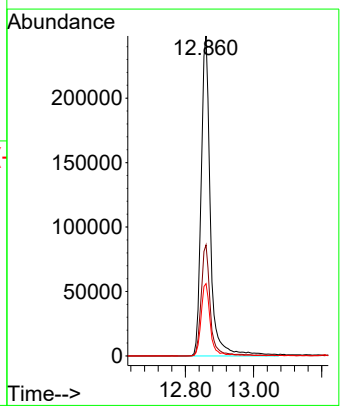


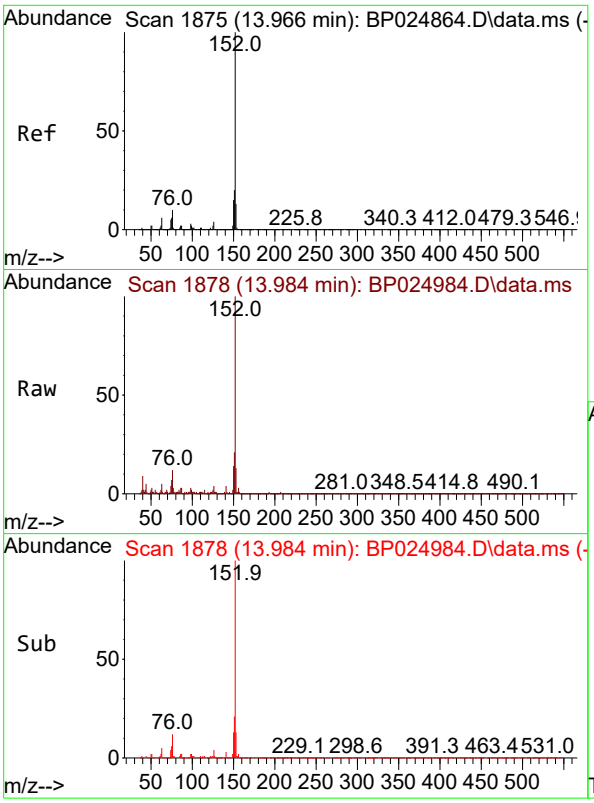


#45
2-Fluorobiphenyl
Concen: 9.506 ng
RT: 12.860 min Scan# 1687
Delta R.T. 0.000 min
Lab File: BP024984.D
Acq: 17 Jun 2025 20:50

Tgt Ion:172 Resp: 468878

Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.3	42.5
170	22.6	19.0	28.4



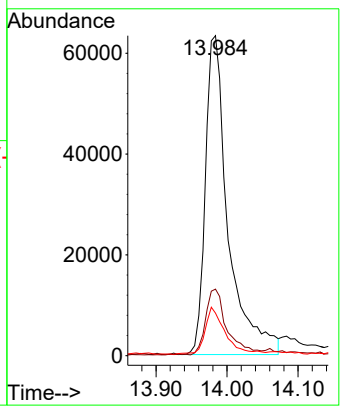


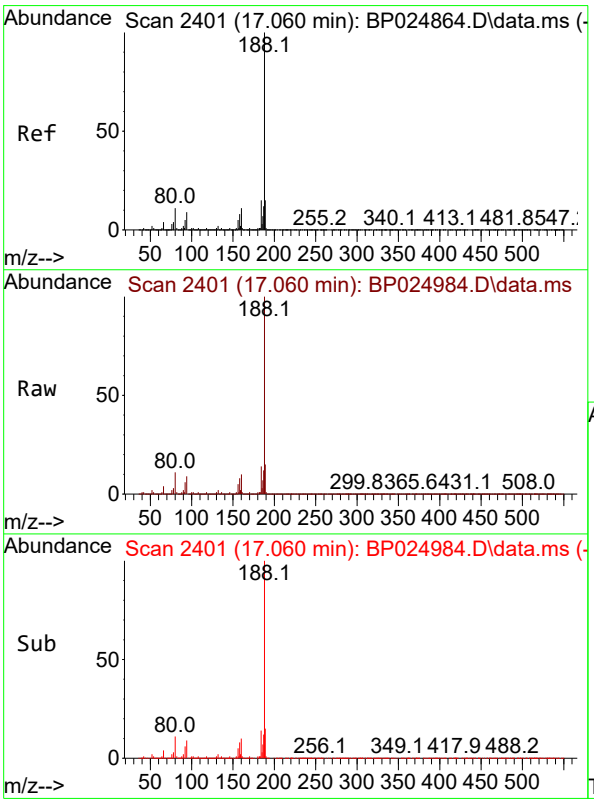
#49
Acenaphthylene
Concen: 2.283 ng
RT: 13.984 min Scan# 1
Delta R.T. 0.018 min
Lab File: BP024984.D
Acq: 17 Jun 2025 20:50

Instrument :
BNA_P
ClientSampleId :
OR-02-061625

Tgt Ion:152 Resp: 141294

Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.2	24.2
153	13.3	10.6	15.8

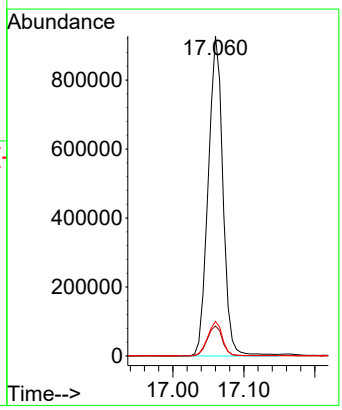


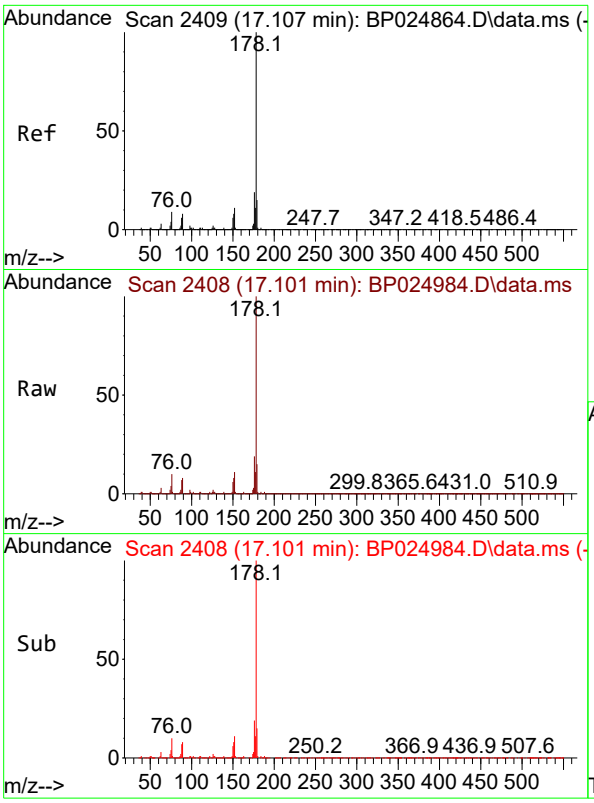


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.060 min Scan# 2401
Delta R.T. 0.000 min
Lab File: BP024984.D
Acq: 17 Jun 2025 20:50

Tgt Ion:188 Resp: 1337390

Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.3	10.9
80	10.8	8.5	12.7



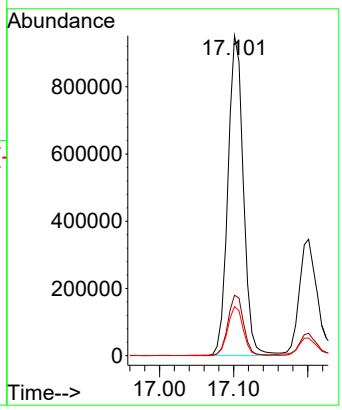


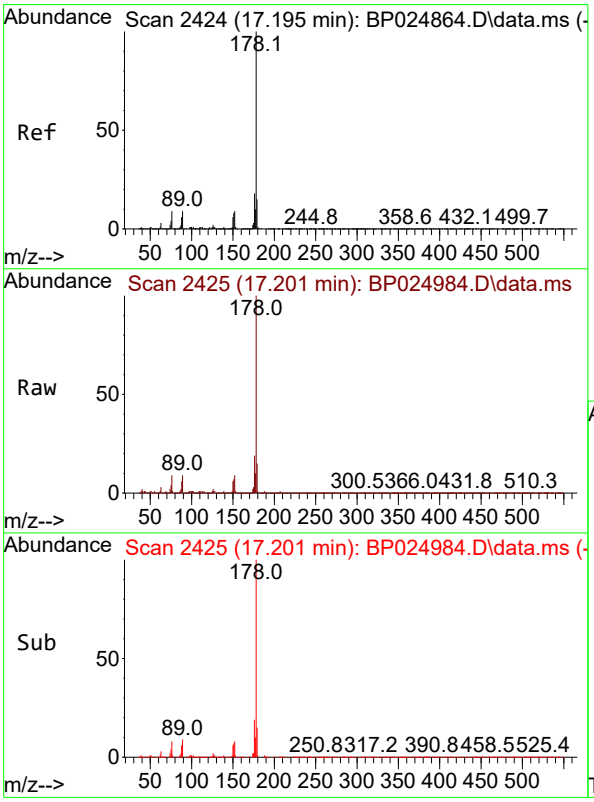
#71
Phenanthrene
Concen: 18.578 ng
RT: 17.101 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP024984.D
Acq: 17 Jun 2025 20:50

Instrument :
BNA_P
ClientSampleId :
OR-02-061625

Tgt Ion:178 Resp: 1372998

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.3	22.9
179	15.4	12.1	18.1

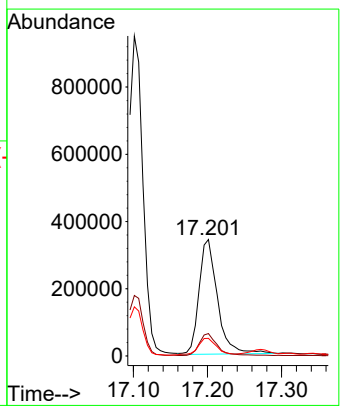


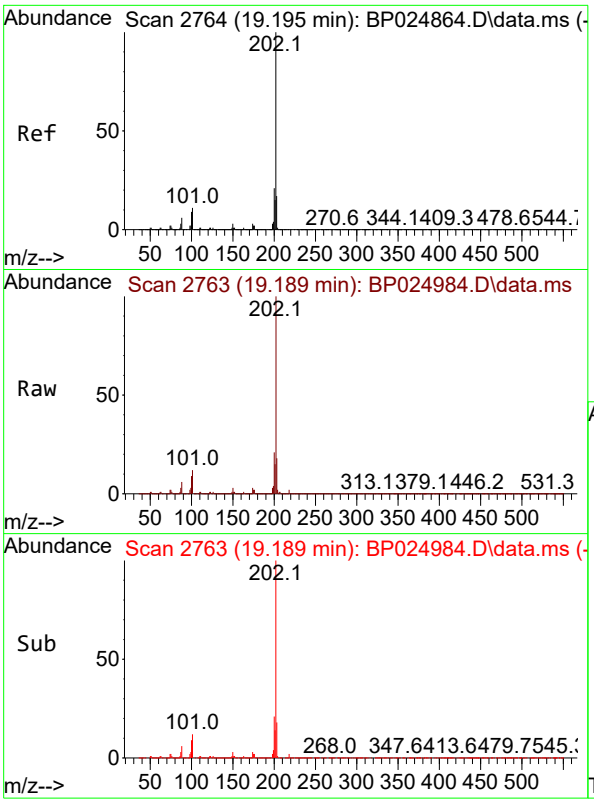


#72
Anthracene
Concen: 7.911 ng
RT: 17.201 min Scan# 2425
Delta R.T. 0.006 min
Lab File: BP024984.D
Acq: 17 Jun 2025 20:50

Tgt Ion:178 Resp: 592140

Ion	Ratio	Lower	Upper
178	100		
176	19.3	14.7	22.1
179	15.2	12.3	18.5



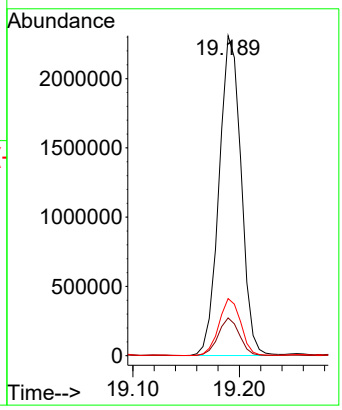


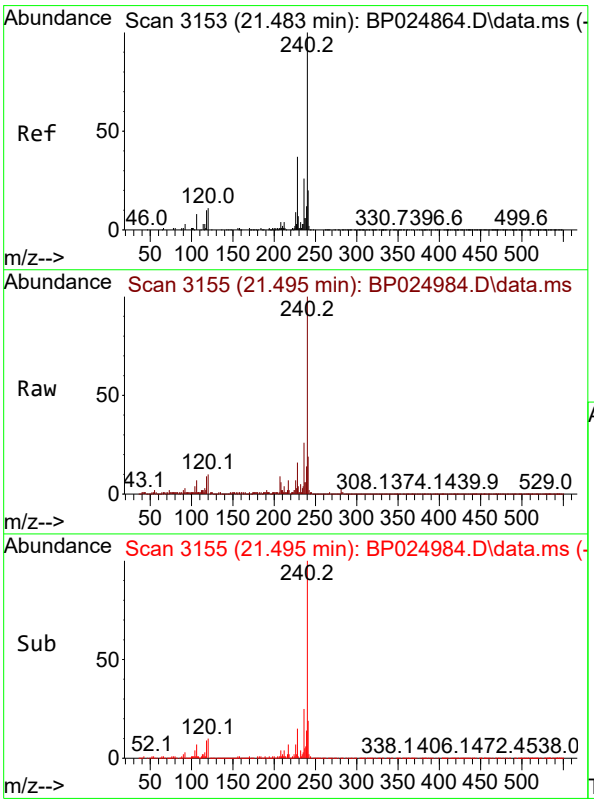
#75
Fluoranthene
Concen: 38.622 ng
RT: 19.189 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024984.D
Acq: 17 Jun 2025 20:50

Instrument :
BNA_P
ClientSampleId :
OR-02-061625

Tgt Ion:202 Resp: 3308397

Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	31.4
203	17.9	0.0	37.5

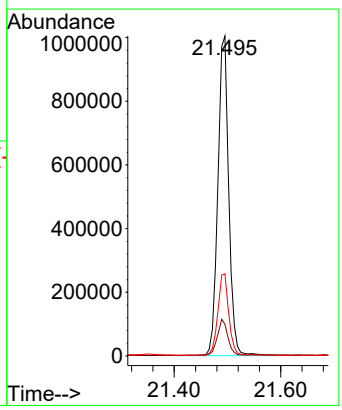


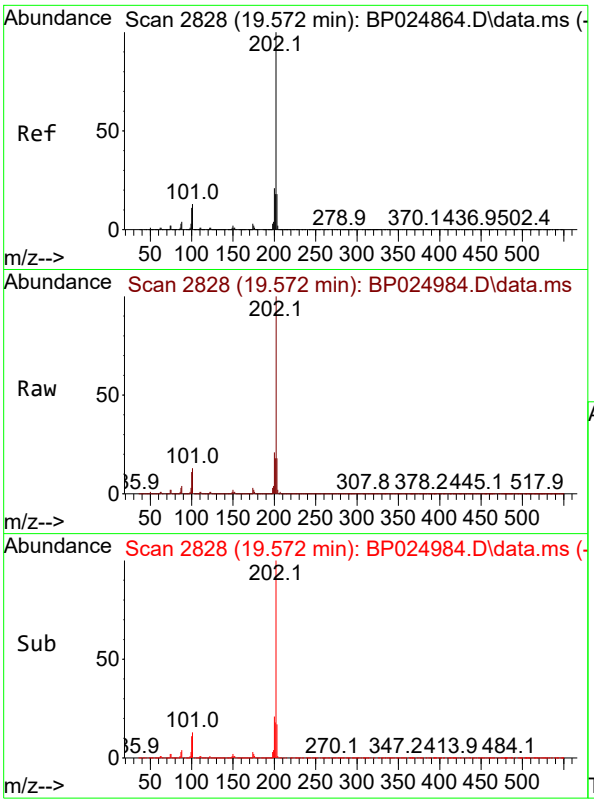


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.495 min Scan# 3155
Delta R.T. 0.012 min
Lab File: BP024984.D
Acq: 17 Jun 2025 20:50

Tgt Ion:240 Resp: 1419198

Ion	Ratio	Lower	Upper
240	100		
120	9.9	8.9	13.3
236	25.7	20.9	31.3



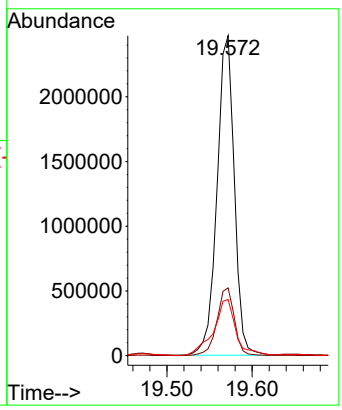


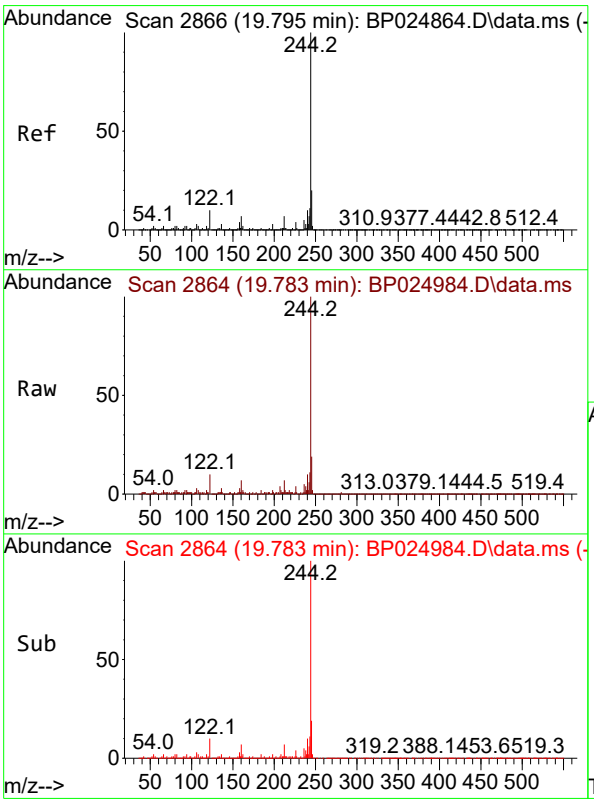
#78
Pyrene
Concen: 39.452 ng
RT: 19.572 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024984.D
Acq: 17 Jun 2025 20:50

Instrument :
BNA_P
ClientSampleId :
OR-02-061625

Tgt Ion:202 Resp: 3497946

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.1	25.7
203	17.6	14.0	21.0

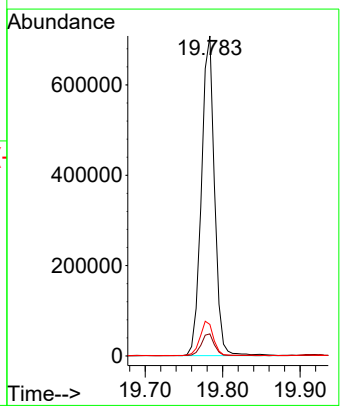


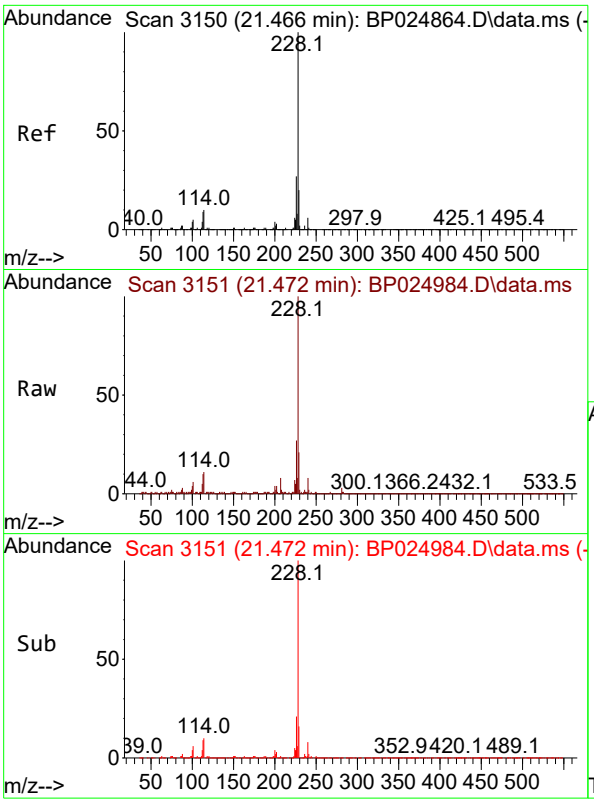


#79
Terphenyl-d14
Concen: 10.506 ng
RT: 19.783 min Scan# 2864
Delta R.T. -0.012 min
Lab File: BP024984.D
Acq: 17 Jun 2025 20:50

Tgt Ion:244 Resp: 831927

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.6	8.4
122	9.9	7.7	11.5



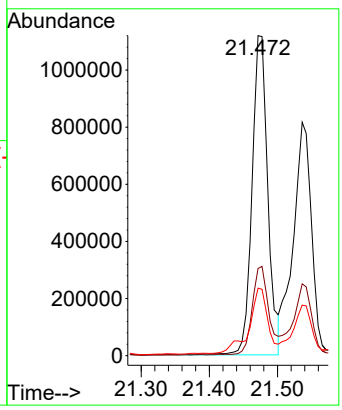


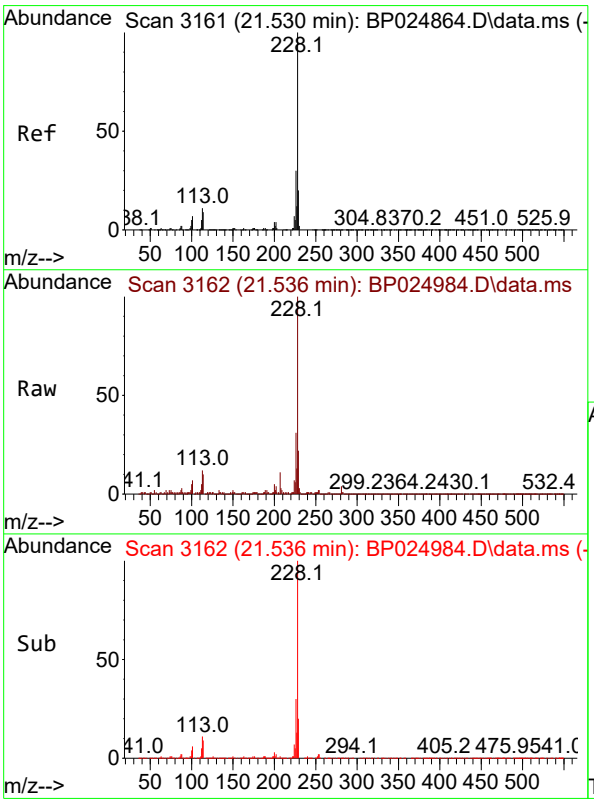
#81
Benzo(a)anthracene
Concen: 19.662 ng
RT: 21.472 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024984.D
Acq: 17 Jun 2025 20:50

Instrument :
BNA_P
ClientSampleId :
OR-02-061625

Tgt Ion:228 Resp: 1784722

Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.1	33.1
229	21.1	15.9	23.9

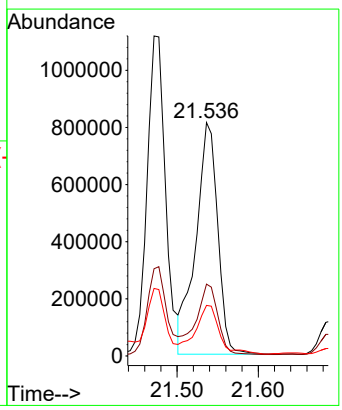


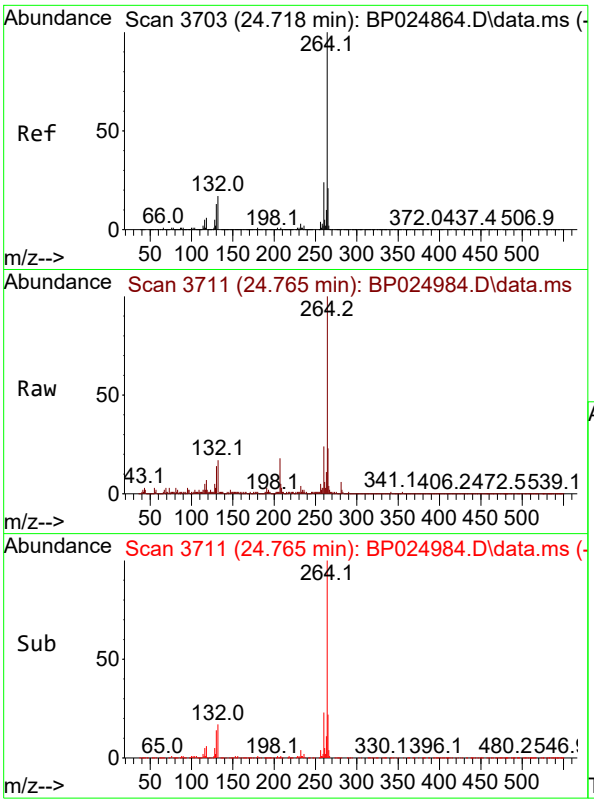


#83
Chrysene
Concen: 17.677 ng
RT: 21.536 min Scan# 3162
Delta R.T. 0.006 min
Lab File: BP024984.D
Acq: 17 Jun 2025 20:50

Tgt Ion:228 Resp: 1520362

Ion	Ratio	Lower	Upper
228	100		
226	30.7	23.8	35.6
229	21.7	15.6	23.4



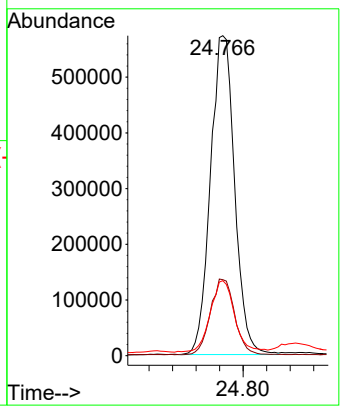


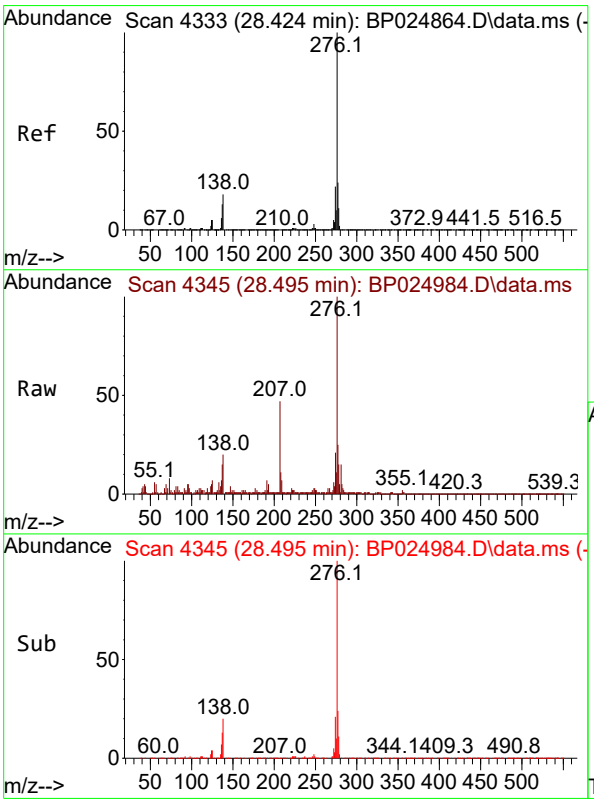
#86
Perylene-d12
Concen: 20.000 ng
RT: 24.765 min Scan# 3
Delta R.T. 0.047 min
Lab File: BP024984.D
Acq: 17 Jun 2025 20:50

Instrument :
BNA_P
ClientSampleId :
OR-02-061625

Tgt Ion:264 Resp: 1634653

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.0	28.4
265	23.4	17.4	26.0

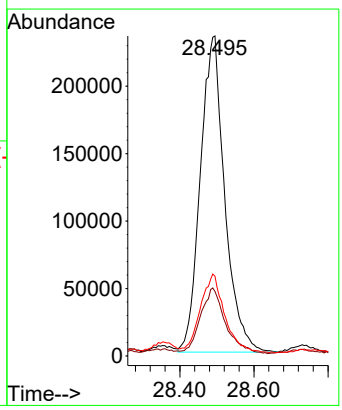


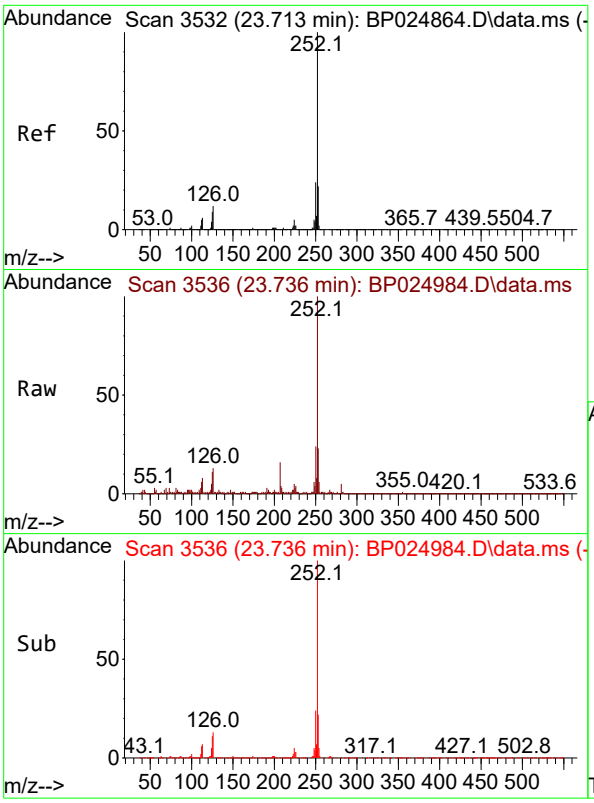


#87
Indeno(1,2,3-cd)pyrene
Concen: 8.998 ng
RT: 28.495 min Scan# 4345
Delta R.T. 0.071 min
Lab File: BP024984.D
Acq: 17 Jun 2025 20:50

Tgt Ion:276 Resp: 1073146

Ion	Ratio	Lower	Upper
276	100		
138	21.0	18.6	27.8
277	24.8	20.2	30.4



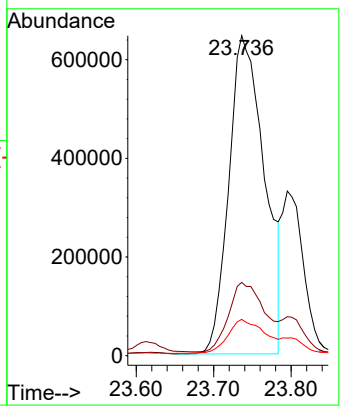


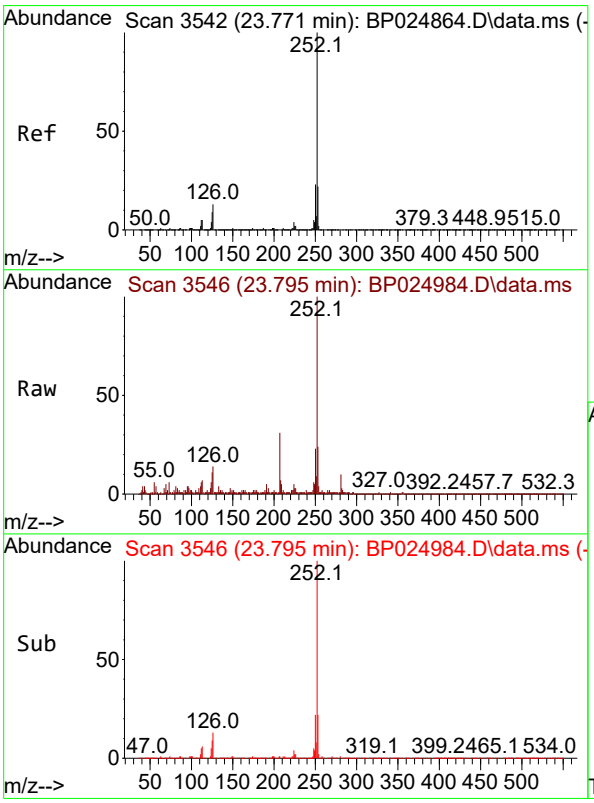
#88
Benzo(b)fluoranthene
Concen: 22.074 ng
RT: 23.736 min Scan# 3
Delta R.T. 0.024 min
Lab File: BP024984.D
Acq: 17 Jun 2025 20:50

Instrument :
BNA_P
ClientSampleId :
OR-02-061625

Tgt Ion:252 Resp: 2065105

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.6	26.4
125	11.4	7.1	10.7#

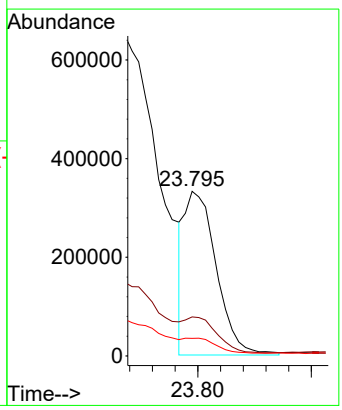


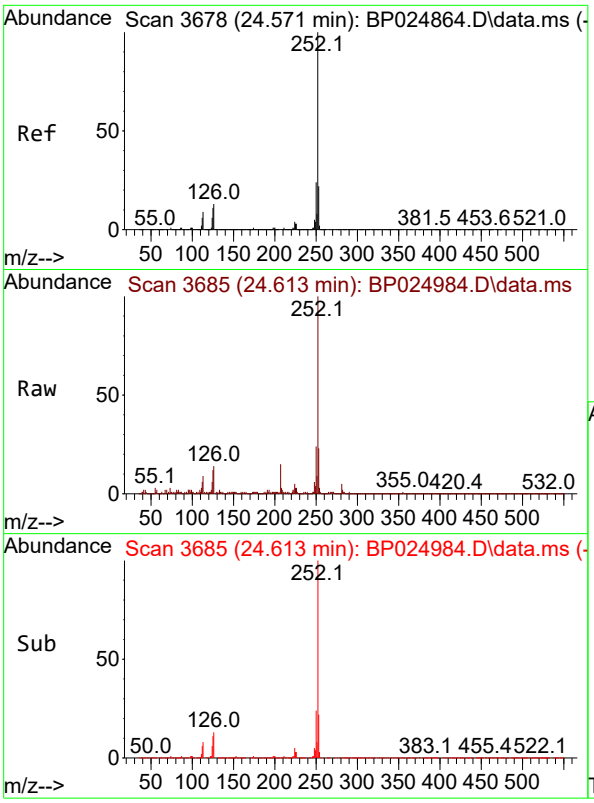


#89
Benzo(k)fluoranthene
Concen: 6.807 ng m
RT: 23.795 min Scan# 3546
Delta R.T. 0.024 min
Lab File: BP024984.D
Acq: 17 Jun 2025 20:50

Tgt Ion:252 Resp: 648204

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.7	26.5
125	10.7	7.4	11.0



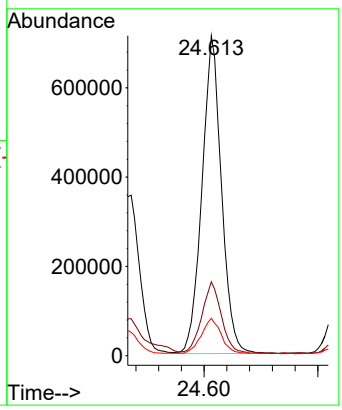


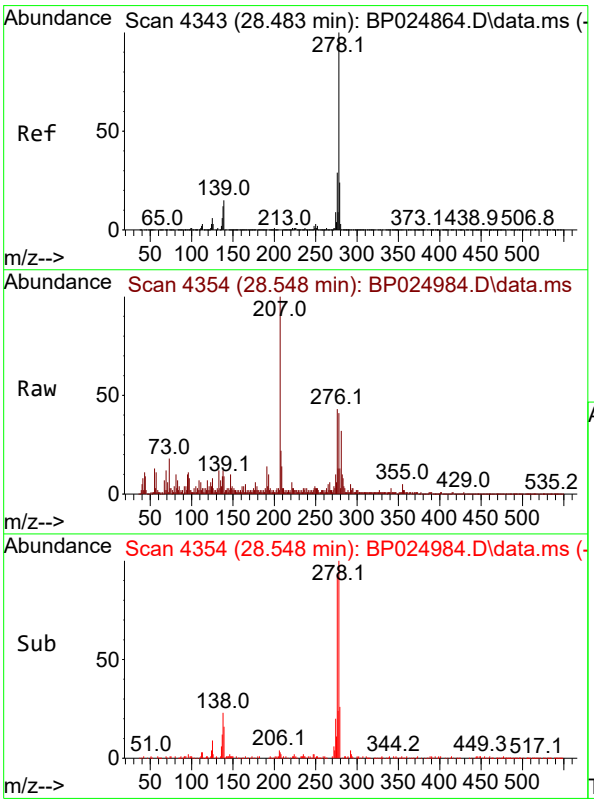
#90
Benzo(a)pyrene
Concen: 18.493 ng
RT: 24.613 min Scan# 3
Delta R.T. 0.041 min
Lab File: BP024984.D
Acq: 17 Jun 2025 20:50

Instrument :
BNA_P
ClientSampleId :
OR-02-061625

Tgt Ion:252 Resp: 1689568

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.5	26.3
125	11.7	8.8	13.2

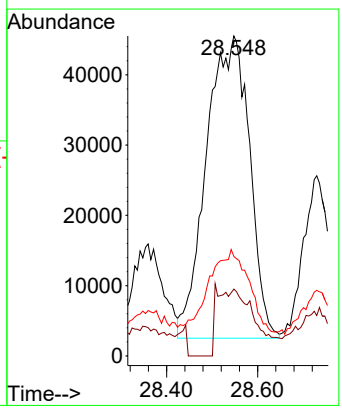


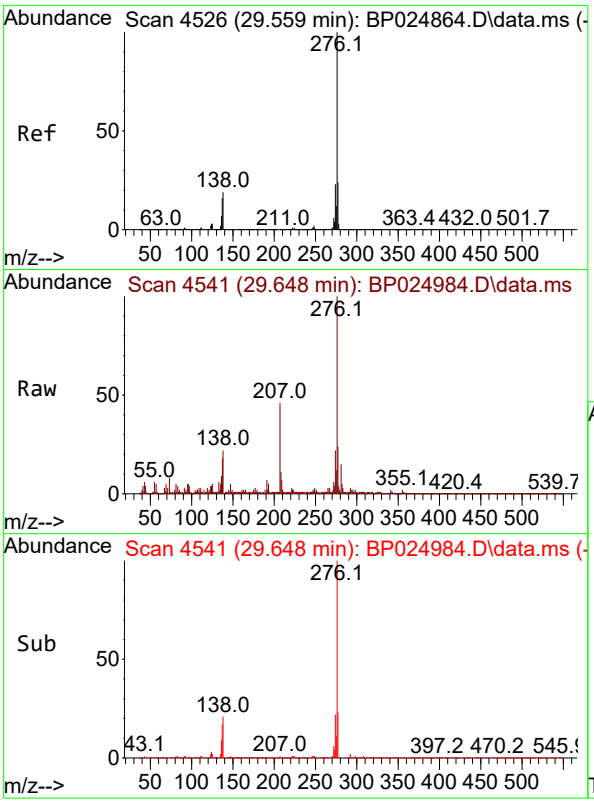


#91
Dibenzo(a,h)anthracene
Concen: 2.913 ng m
RT: 28.548 min Scan# 4354
Delta R.T. 0.065 min
Lab File: BP024984.D
Acq: 17 Jun 2025 20:50

Tgt Ion:278 Resp: 282812

Ion	Ratio	Lower	Upper
278	100		
139	20.9	12.0	18.0#
279	31.1	19.1	28.7#





#92
Benzo(g,h,i)perylene
Concen: 11.428 ng
RT: 29.648 min Scan# 4
Delta R.T. 0.088 min
Lab File: BP024984.D
Acq: 17 Jun 2025 20:50

Instrument :
BNA_P
ClientSampleId :
OR-02-061625

Tgt Ion:276 Resp: 1100794

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.1	28.7
138	21.6	15.4	23.2