Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060425\
Data File : BF142619.D
Acq On : 04 Jun 2025 21:17
Operator : RC/JU
Sample : Q2172-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP06-MHQ

Quant Time: Jun 05 01:28:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	125664	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	441541	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	193865	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	259233	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	275797	20.000	ng	-0.01
86) Perylene-d12	15.557	264	229821	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	822439	110.263	ng	0.01
7) Phenol-d6	6.522	99	860247	95.810	ng	-0.01
23) Nitrobenzene-d5	7.457	82	647475	79.961	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	233630	108.581	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	1195642	82.758	ng	-0.02
79) Terphenyl-d14	13.010	244	1066872	52.862	ng	0.00
Target Compounds						Qvalue

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

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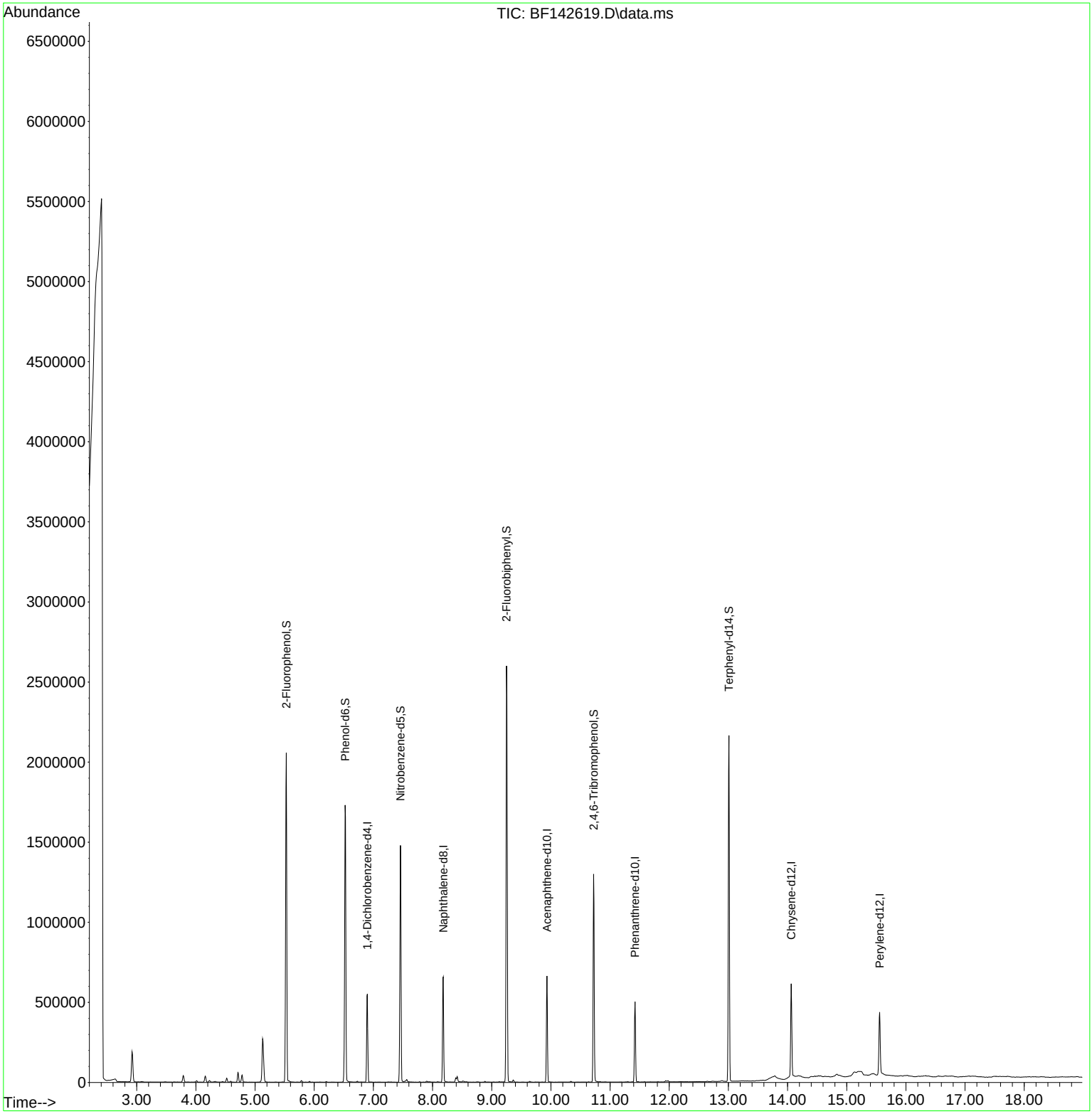
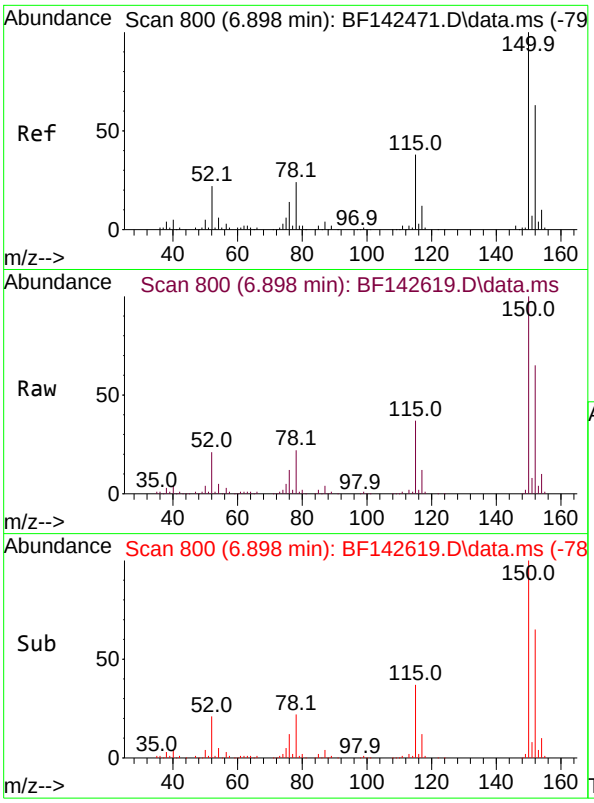


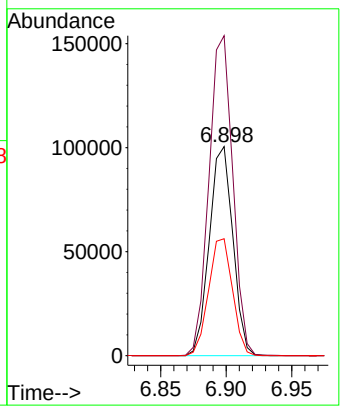


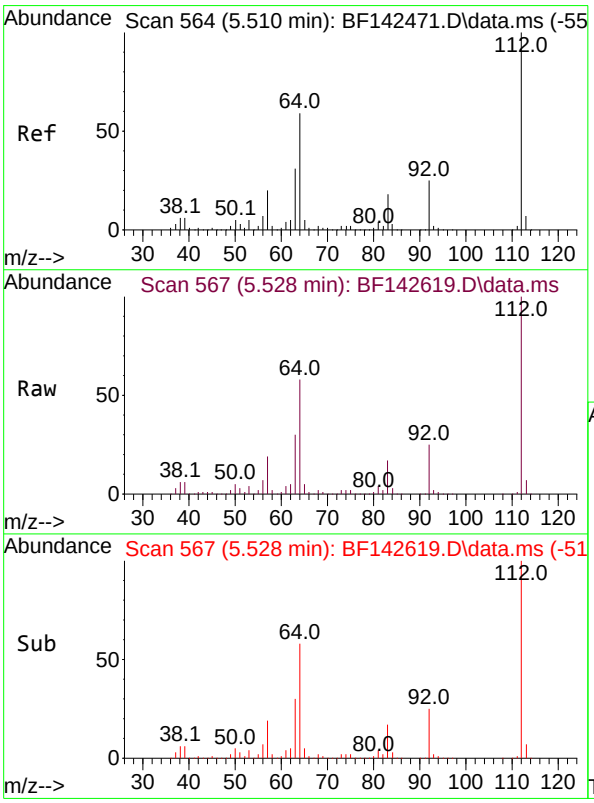
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF142619.D
Acq: 04 Jun 2025 21:17

Instrument :
BNA_F
ClientSampleId :
TP06-MHQ

Tgt Ion:152 Resp: 125664

Ion	Ratio	Lower	Upper
152	100		
150	153.1	128.2	192.4
115	55.9	48.3	72.5

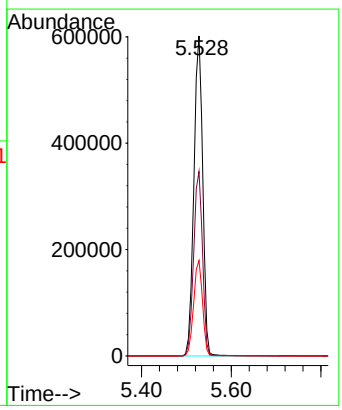


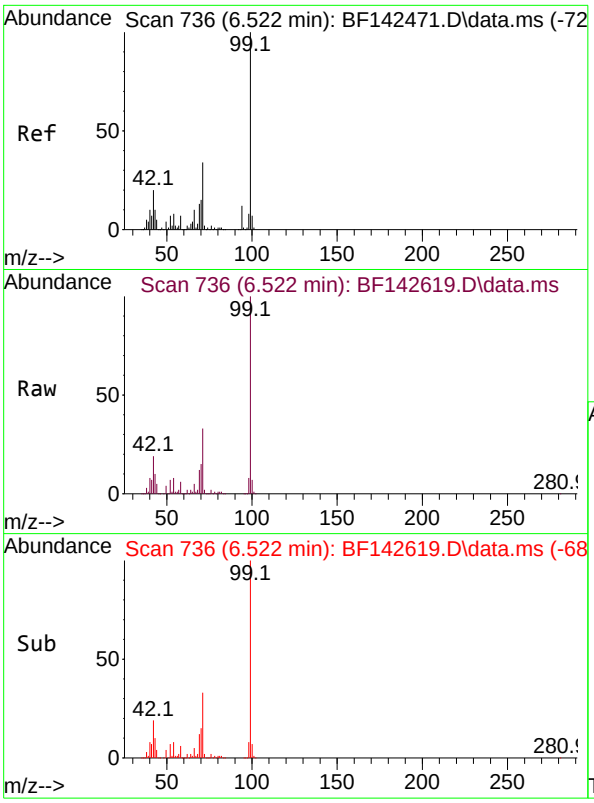


#5
2-Fluorophenol
Concen: 110.263 ng
RT: 5.528 min Scan# 567
Delta R.T. 0.012 min
Lab File: BF142619.D
Acq: 04 Jun 2025 21:17

Tgt Ion:112 Resp: 822439

Ion	Ratio	Lower	Upper
112	100		
64	57.6	47.5	71.3
63	29.8	24.9	37.3



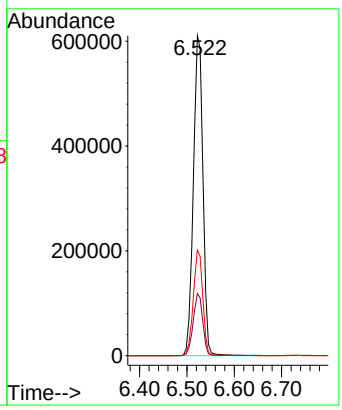


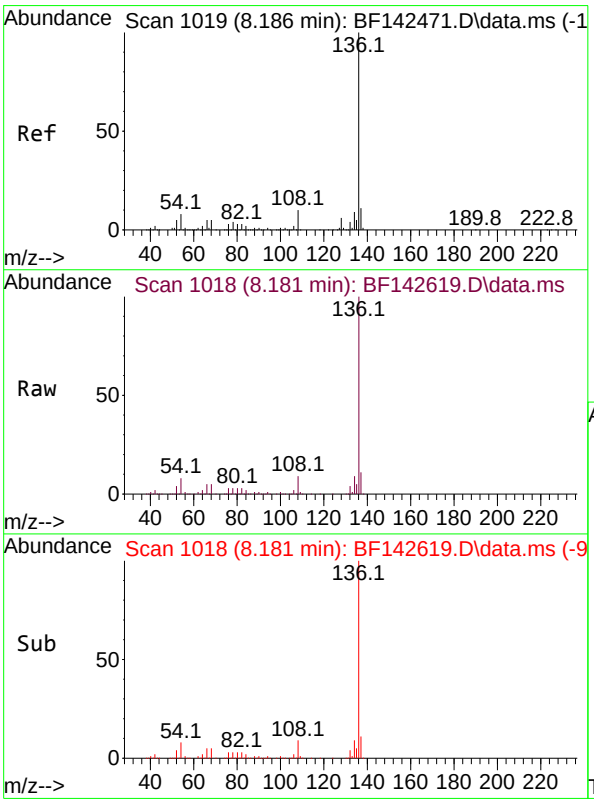
#7
Phenol-d6
Concen: 95.810 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142619.D
Acq: 04 Jun 2025 21:17

Instrument :
BNA_F
ClientSampleId :
TP06-MHQ

Tgt Ion: 99 Resp: 860247

Ion	Ratio	Lower	Upper
99	100		
42	19.4	16.2	24.2
71	33.0	27.3	40.9

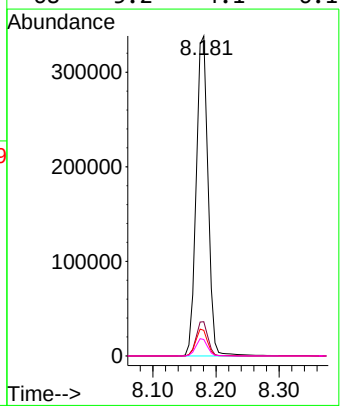


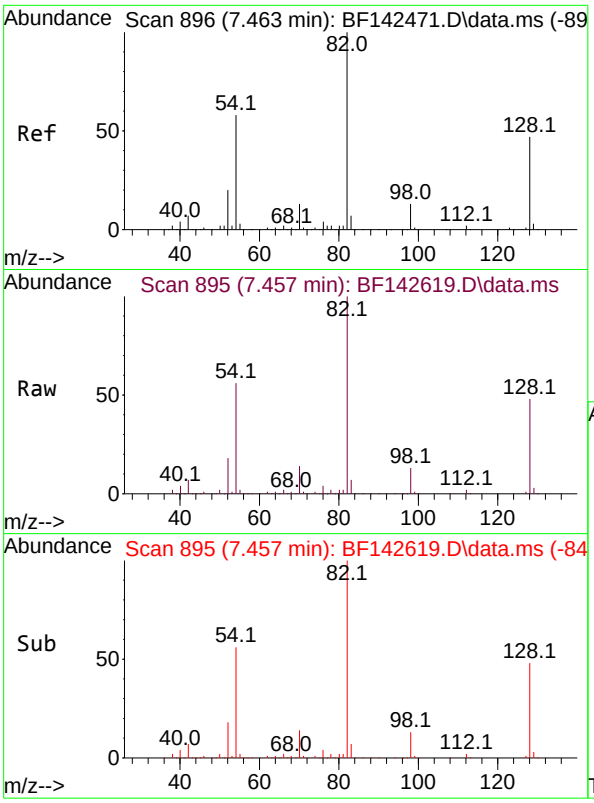


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142619.D
Acq: 04 Jun 2025 21:17

Tgt Ion:136 Resp: 441541

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	8.0	6.6	10.0
68	5.2	4.1	6.1



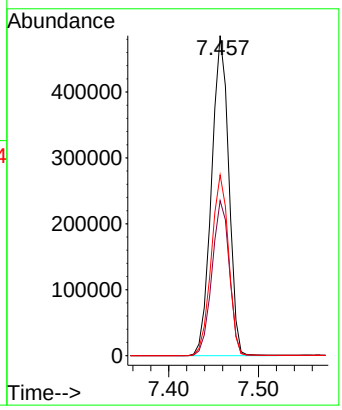


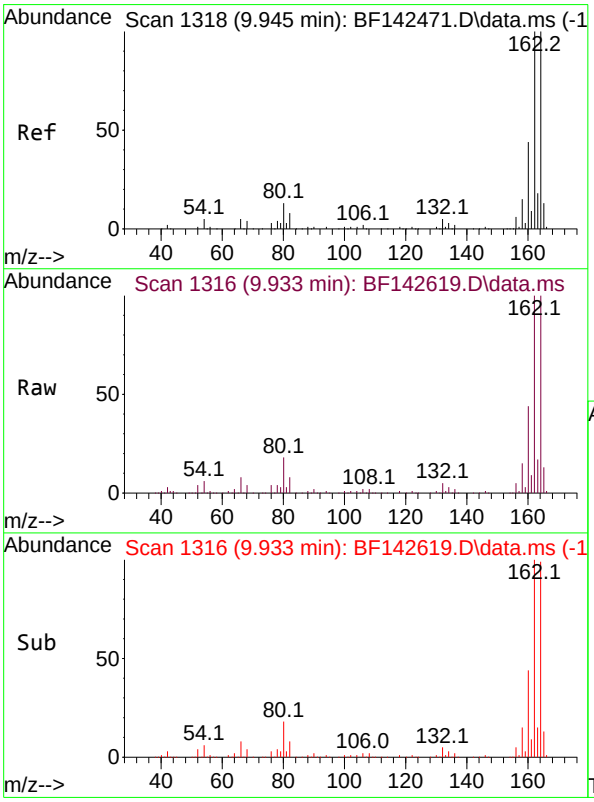
#23
Nitrobenzene-d5
Concen: 79.961 ng
RT: 7.457 min Scan# 89
Delta R.T. -0.017 min
Lab File: BF142619.D
Acq: 04 Jun 2025 21:17

Instrument :
BNA_F
ClientSampleId :
TP06-MHQ

Tgt Ion: 82 Resp: 647475

Ion	Ratio	Lower	Upper
82	100		
128	48.4	37.4	56.2
54	56.5	46.6	70.0

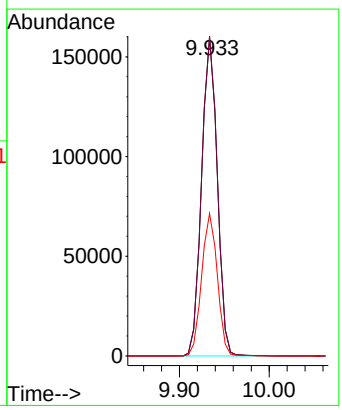


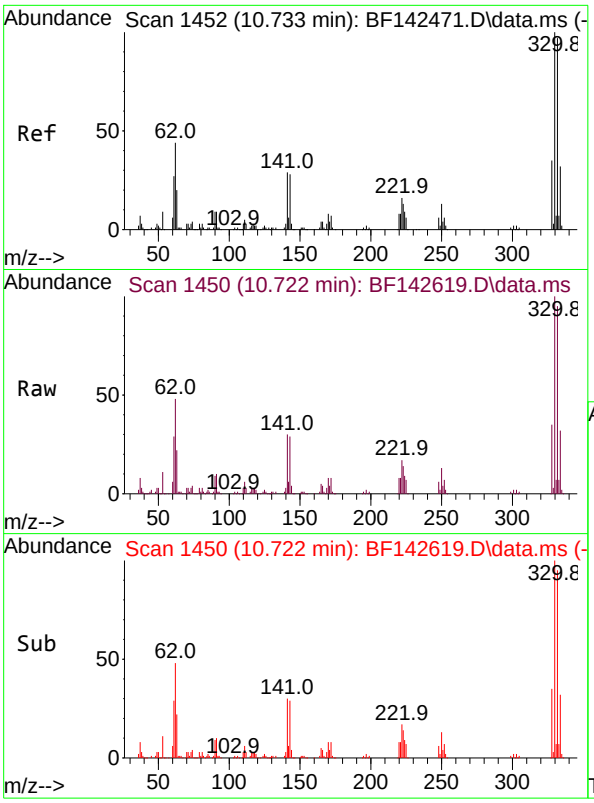


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142619.D
Acq: 04 Jun 2025 21:17

Tgt Ion:164 Resp: 193865

Ion	Ratio	Lower	Upper
164	100		
162	100.4	80.2	120.4
160	44.7	35.6	53.4



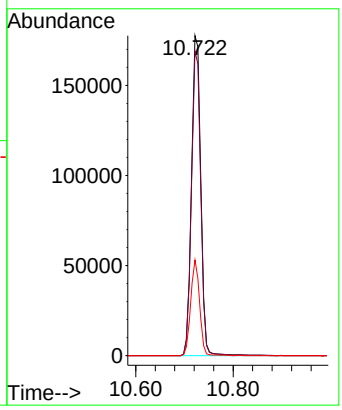


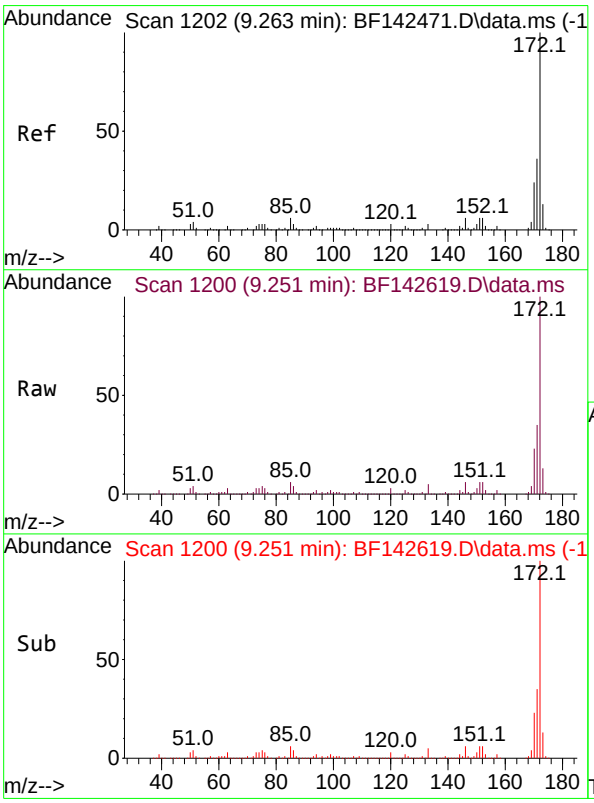
#42
2,4,6-Tribromophenol
Concen: 108.581 ng
RT: 10.722 min Scan# 14
Delta R.T. -0.018 min
Lab File: BF142619.D
Acq: 04 Jun 2025 21:17

Instrument :
BNA_F
ClientSampleId :
TP06-MHQ

Tgt Ion:330 Resp: 233630

Ion	Ratio	Lower	Upper
330	100		
332	94.6	77.6	116.4
141	28.7	24.6	36.8

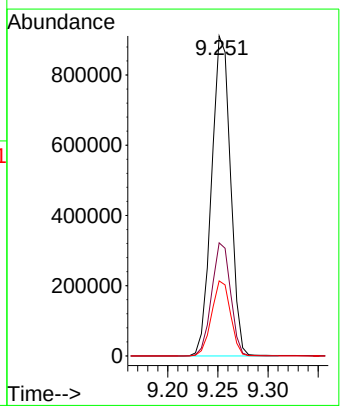


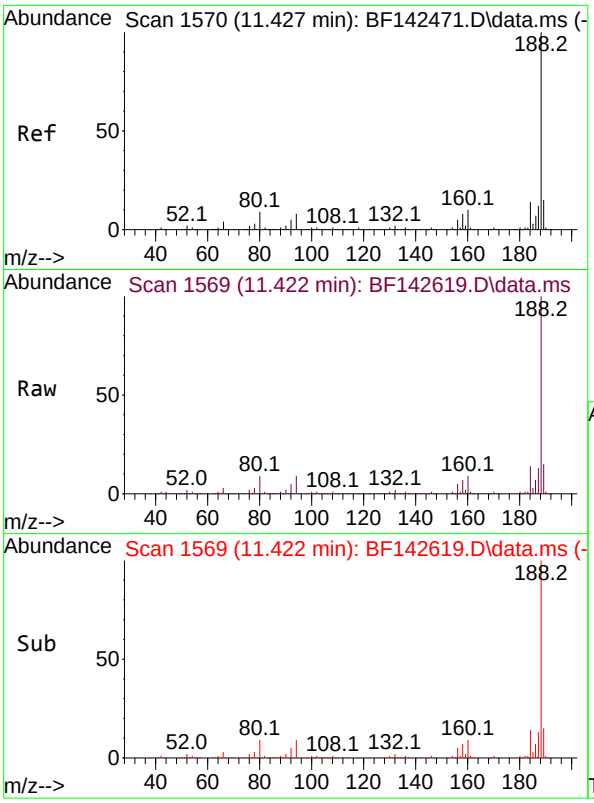


#45
2-Fluorobiphenyl
Concen: 82.758 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.017 min
Lab File: BF142619.D
Acq: 04 Jun 2025 21:17

Tgt Ion:172 Resp: 1195642

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.6	42.8
170	23.4	18.9	28.3



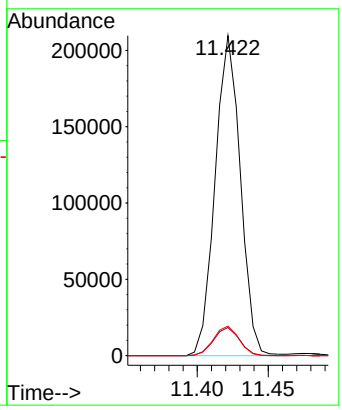


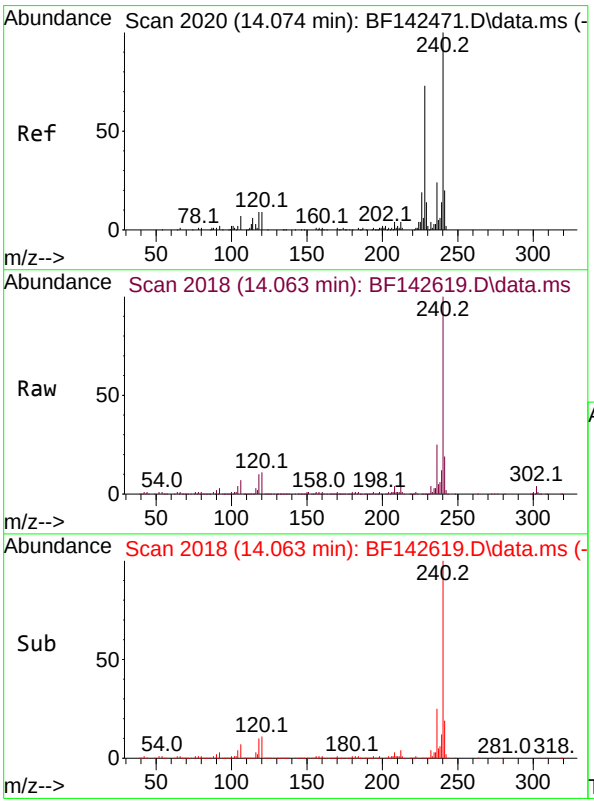
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142619.D
Acq: 04 Jun 2025 21:17

Instrument :
BNA_F
ClientSampleId :
TP06-MHQ

Tgt Ion:188 Resp: 259233

Ion	Ratio	Lower	Upper
188	100		
94	8.8	6.6	10.0
80	9.2	7.4	11.0

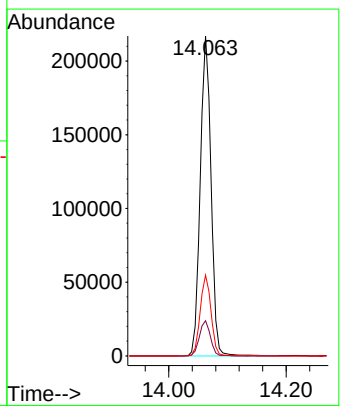


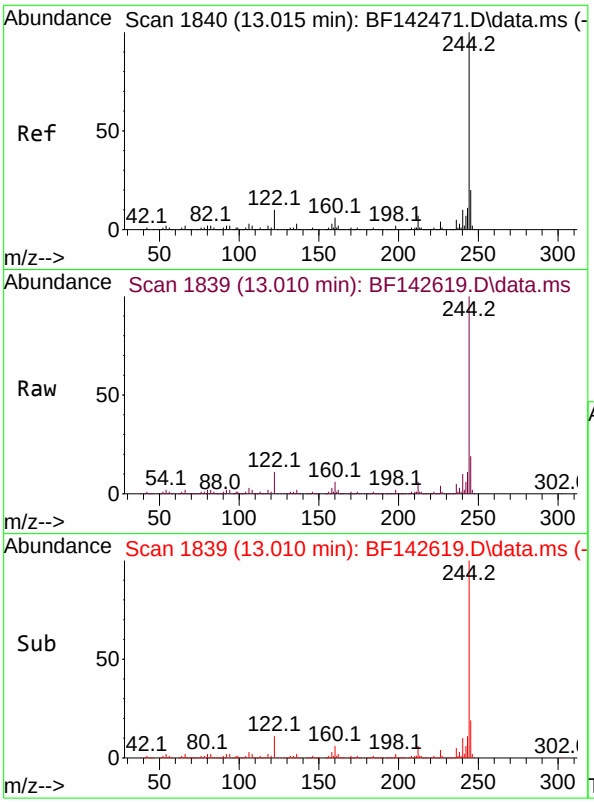


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142619.D
Acq: 04 Jun 2025 21:17

Tgt Ion:240 Resp: 275797

Ion	Ratio	Lower	Upper
240	100		
120	11.0	7.5	11.3
236	25.2	19.6	29.4



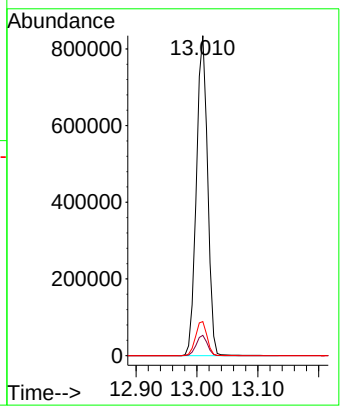


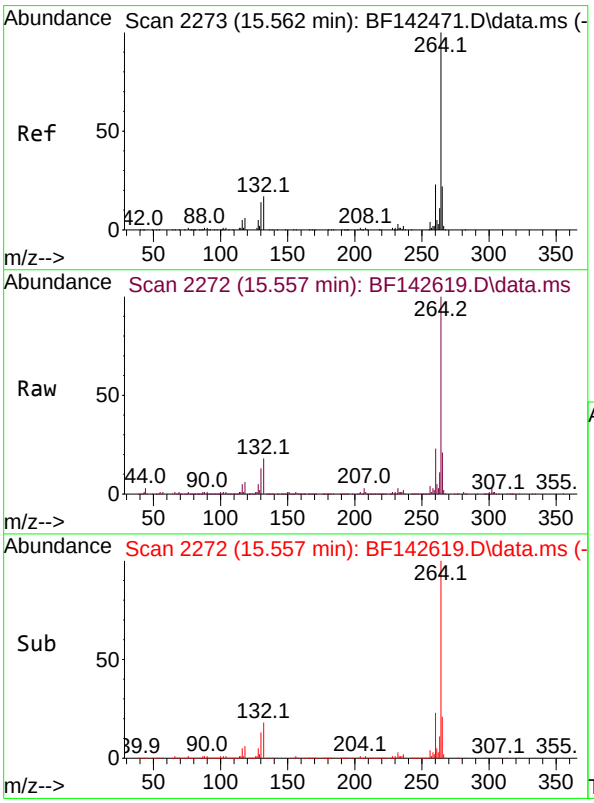
#79
Terphenyl-d14
Concen: 52.862 ng
RT: 13.010 min Scan# 18
Delta R.T. -0.006 min
Lab File: BF142619.D
Acq: 04 Jun 2025 21:17

Instrument :
BNA_F
ClientSampleId :
TP06-MHQ

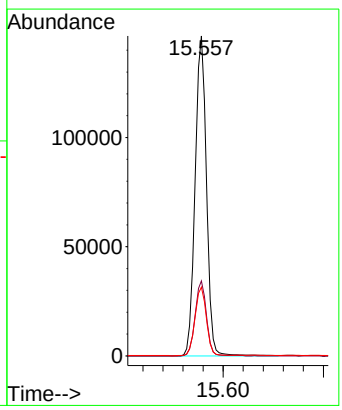
Tgt Ion:244 Resp: 1066872

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.3	7.9
122	10.6	8.2	12.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2272
Delta R.T. -0.012 min
Lab File: BF142619.D
Acq: 04 Jun 2025 21:17

Tgt Ion:264 Resp: 229821

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.6	28.0
265	21.5	17.7	26.5