Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051225\
Data File : BF142318.D
Acq On : 12 May 2025 14:15
Operator : RC/JU
Sample : Q1986-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-218

Quant Time: May 12 14:56:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	203306	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	770315	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	234079	20.000	ng	0.00
64) Phenanthrene-d10	11.428	188	592391	20.000	ng	0.00
76) Chrysene-d12	14.069	240	142438	20.000	ng	# 0.00
86) Perylene-d12	15.557	264	7944	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	1360459	114.232	ng	0.01
7) Phenol-d6	6.522	99	1074240	73.338	ng	0.00
23) Nitrobenzene-d5	7.463	82	1052757	83.349	ng	0.00
42) 2,4,6-Tribromophenol	10.728	330	562956	249.097	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	2157802	131.441	ng	0.00
79) Terphenyl-d14	13.016	244	1869748	194.290	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	7.916	122	115365	23.152	ng	99

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

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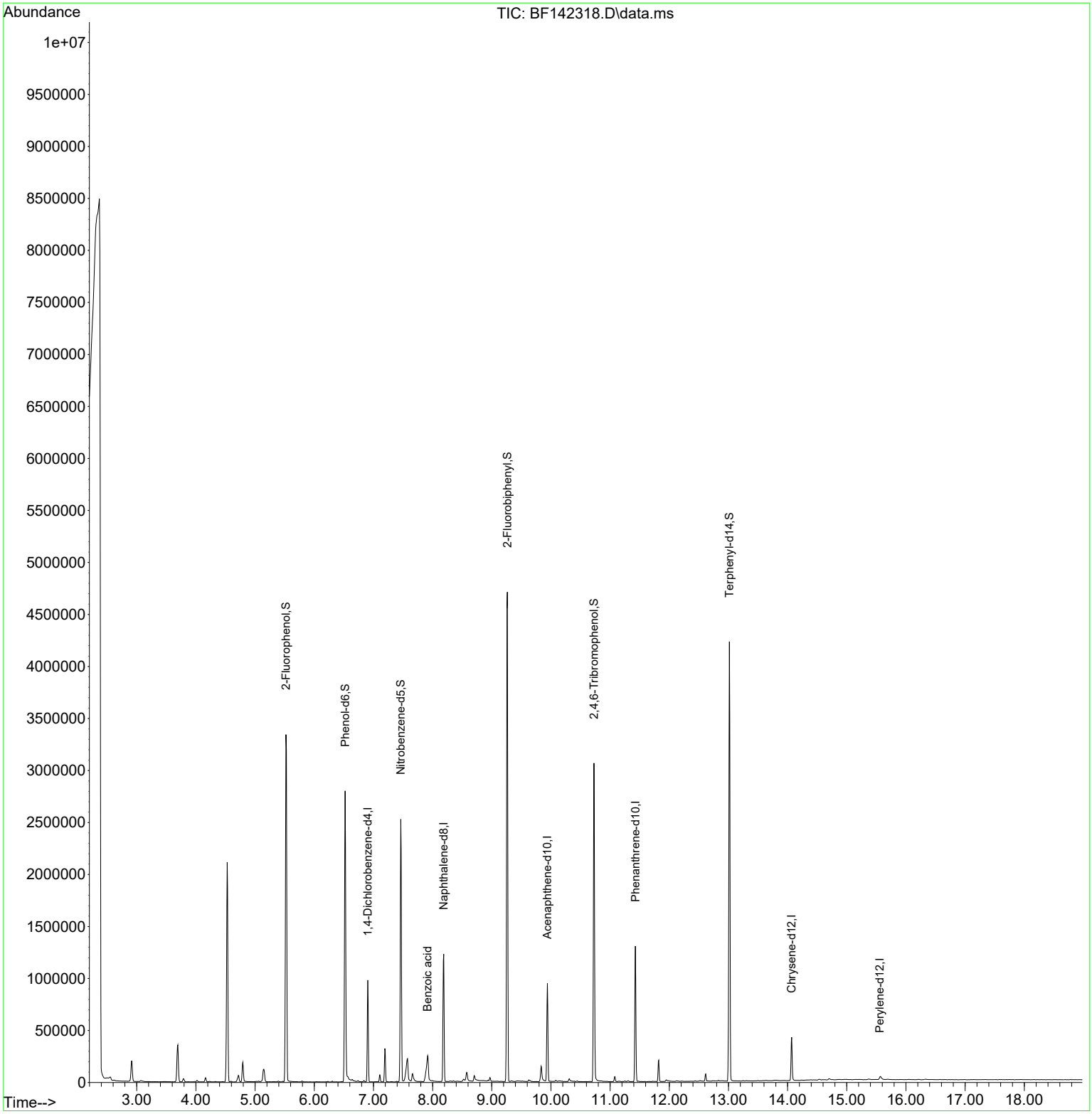
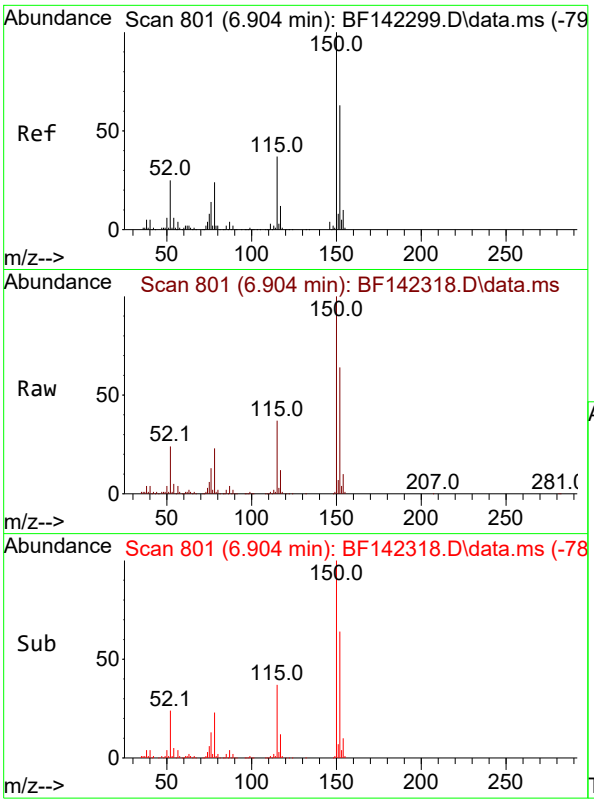


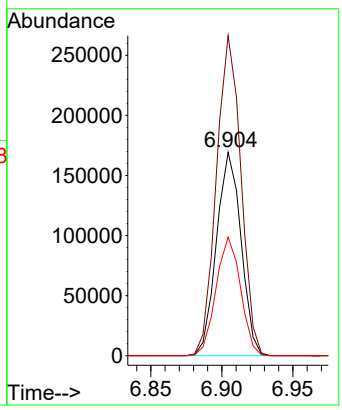


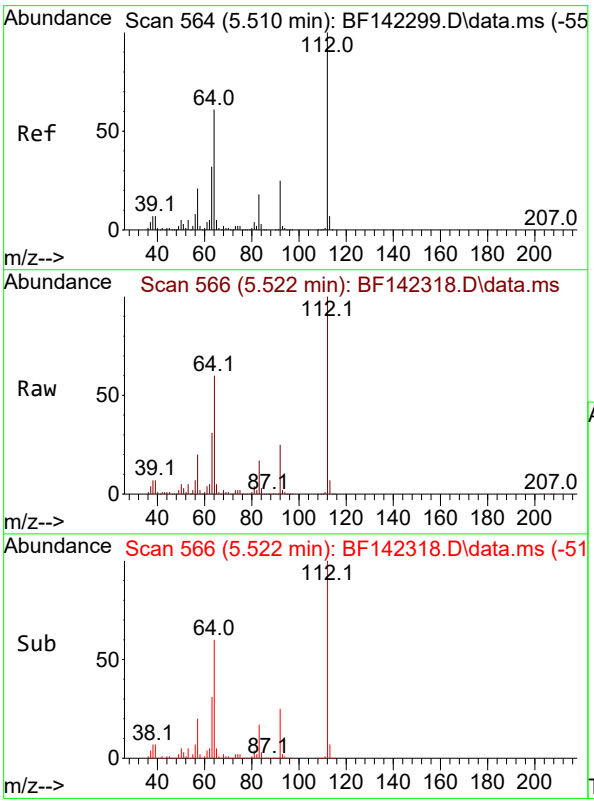
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142318.D
Acq: 12 May 2025 14:15

Instrument :
BNA_F
ClientSampleId :
VNJ-218

Tgt Ion:152 Resp: 203306

Ion	Ratio	Lower	Upper
152	100		
150	157.3	126.6	190.0
115	58.3	47.3	70.9

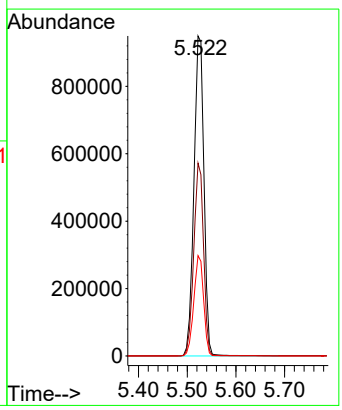


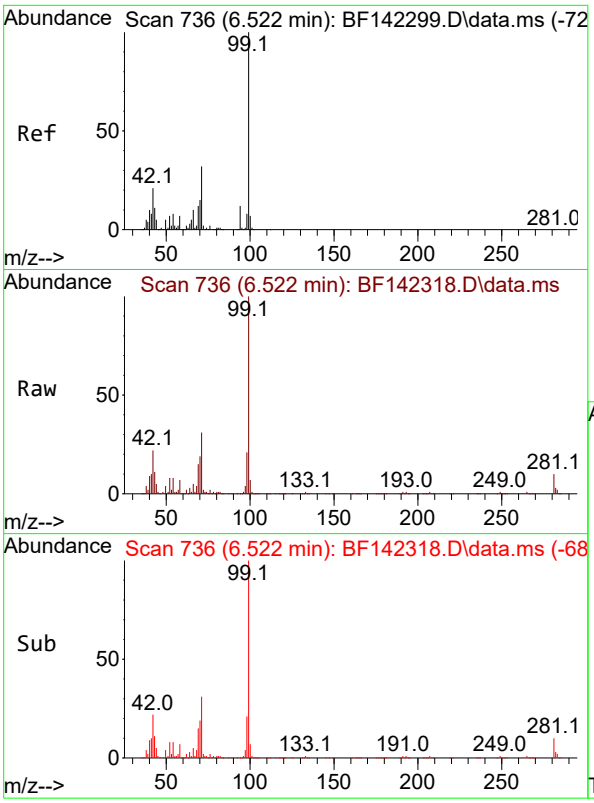


#5
2-Fluorophenol
Concen: 114.232 ng
RT: 5.522 min Scan# 566
Delta R.T. 0.012 min
Lab File: BF142318.D
Acq: 12 May 2025 14:15

Tgt Ion:112 Resp: 1360459

Ion	Ratio	Lower	Upper
112	100		
64	60.2	48.9	73.3
63	31.3	25.6	38.4



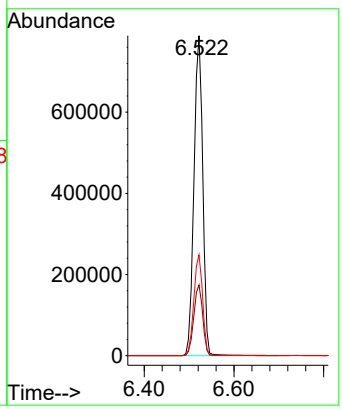


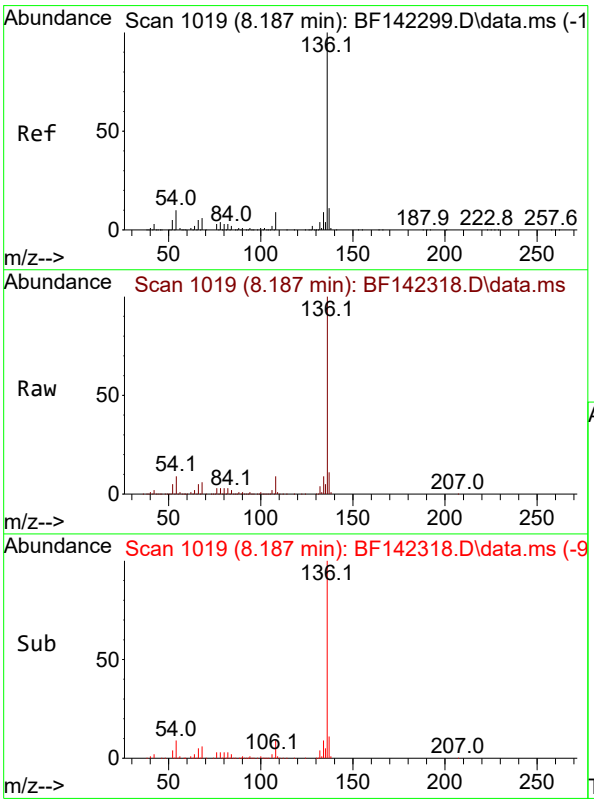
#7
Phenol-d6
Concen: 73.338 ng
RT: 6.522 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142318.D
Acq: 12 May 2025 14:15

Instrument :
BNA_F
ClientSampleId :
VNJ-218

Tgt Ion: 99 Resp: 1074240

Ion	Ratio	Lower	Upper
99	100		
42	22.1	17.0	25.4
71	31.5	25.8	38.8

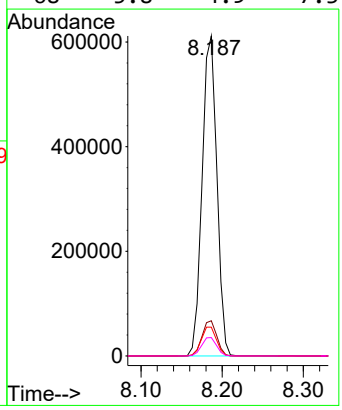


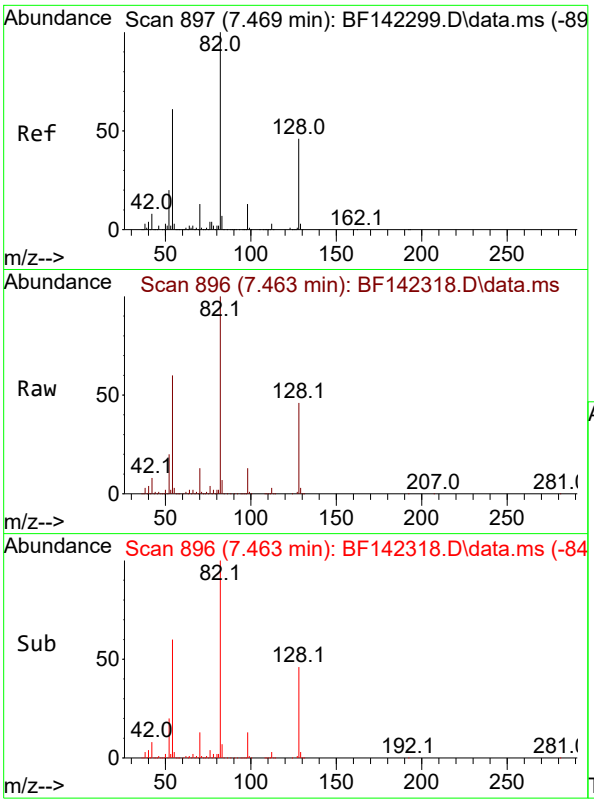


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF142318.D
Acq: 12 May 2025 14:15

Tgt Ion:136 Resp: 770315

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	9.0	7.7	11.5
68	5.8	4.9	7.3



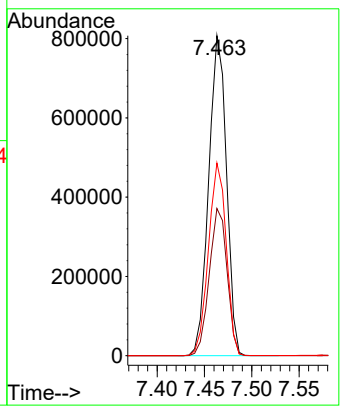


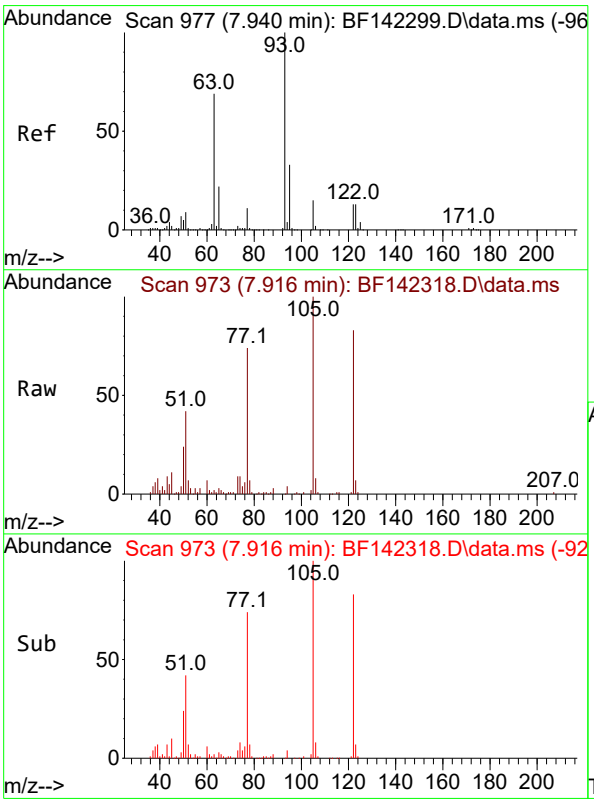
#23
Nitrobenzene-d5
Concen: 83.349 ng
RT: 7.463 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142318.D
Acq: 12 May 2025 14:15

Instrument :
BNA_F
ClientSampleId :
VNJ-218

Tgt Ion: 82 Resp: 1052757

Ion	Ratio	Lower	Upper
82	100		
128	46.0	37.0	55.6
54	60.2	48.6	73.0

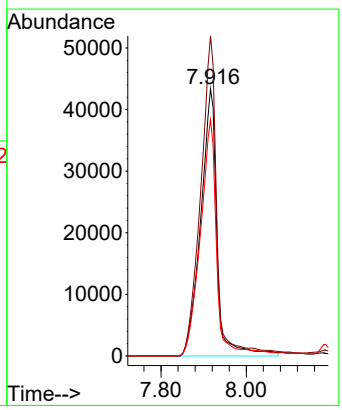


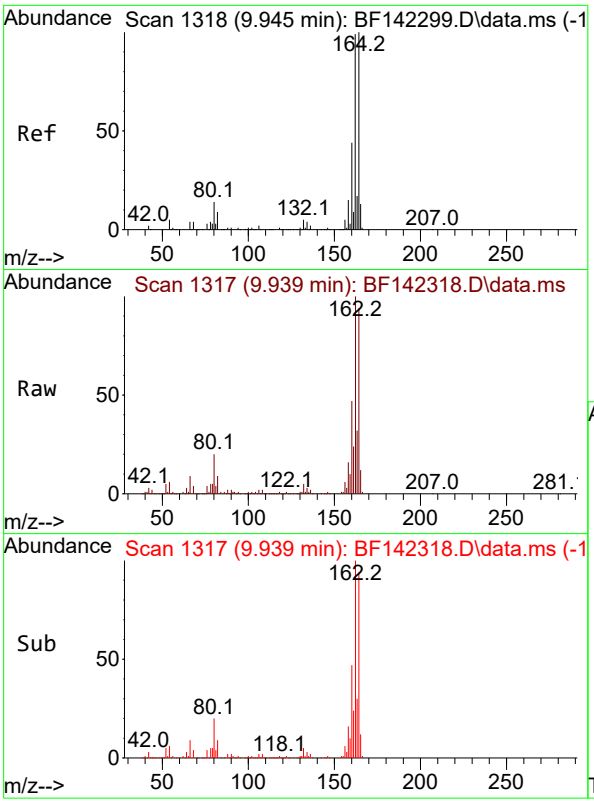


#32
Benzoic acid
Concen: 23.152 ng
RT: 7.916 min Scan# 973
Delta R.T. -0.024 min
Lab File: BF142318.D
Acq: 12 May 2025 14:15

Tgt Ion:122 Resp: 115365

Ion	Ratio	Lower	Upper
122	100		
105	119.8	97.9	137.9
77	88.4	67.7	107.7



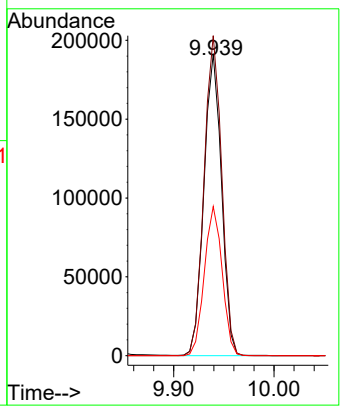


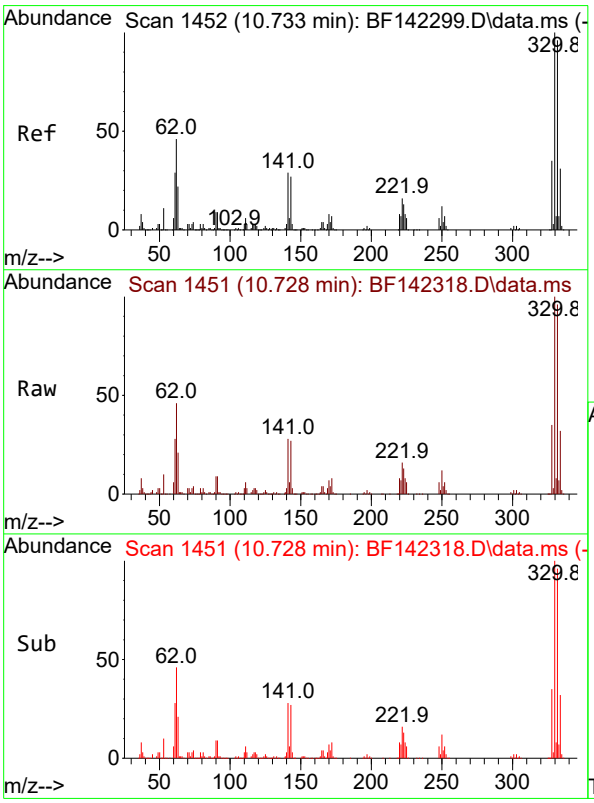
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142318.D
Acq: 12 May 2025 14:15

Instrument :
BNA_F
ClientSampleId :
VNJ-218

Tgt Ion:164 Resp: 234079

Ion	Ratio	Lower	Upper
164	100		
162	106.1	79.2	118.8
160	49.4	35.3	52.9

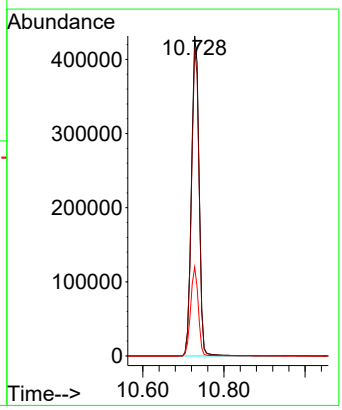


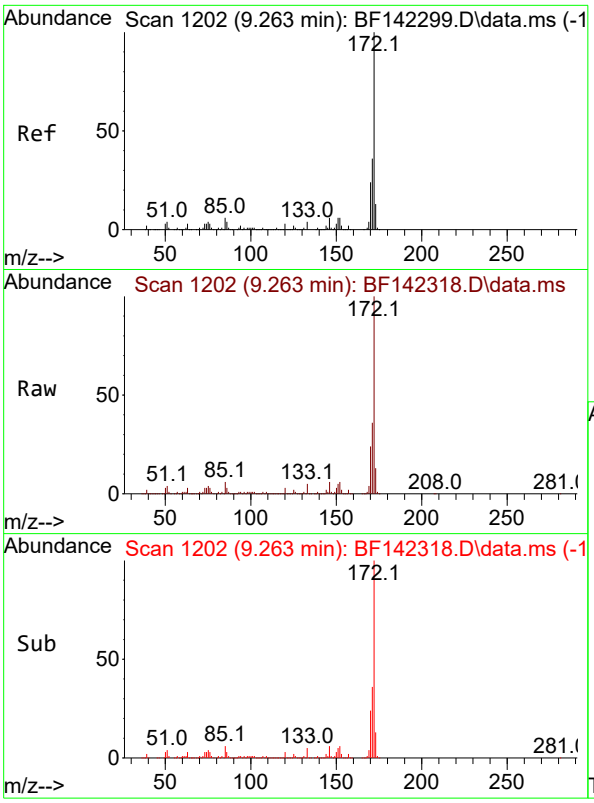


#42
2,4,6-Tribromophenol
Concen: 249.097 ng
RT: 10.728 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF142318.D
Acq: 12 May 2025 14:15

Tgt Ion:330 Resp: 562956

Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.8	115.2
141	27.8	24.9	37.3



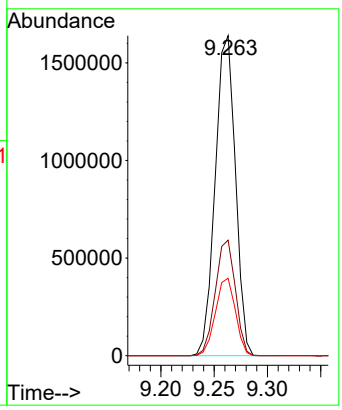


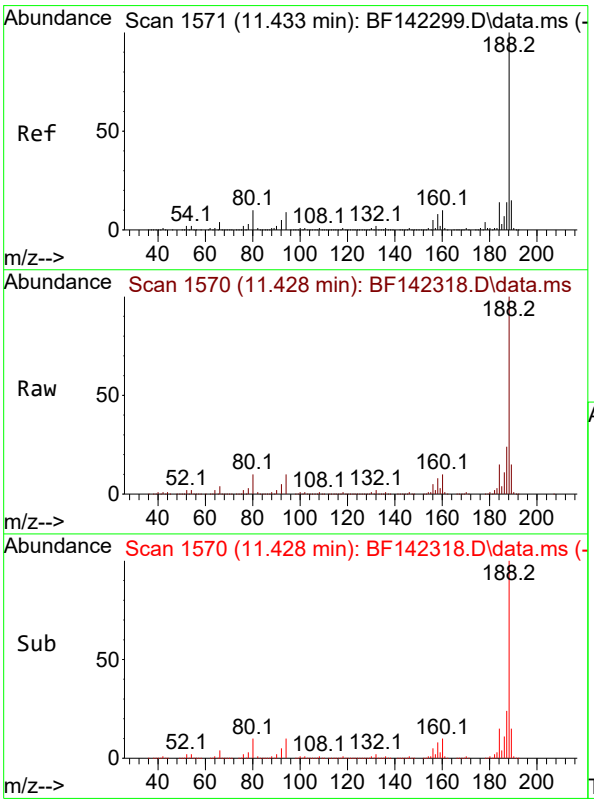
#45
2-Fluorobiphenyl
Concen: 131.441 ng
RT: 9.263 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142318.D
Acq: 12 May 2025 14:15

Instrument :
BNA_F
ClientSampleId :
VNJ-218

Tgt Ion:172 Resp: 2157802

Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.6	42.8
170	24.2	19.0	28.4

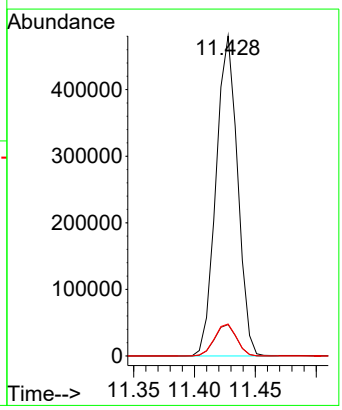


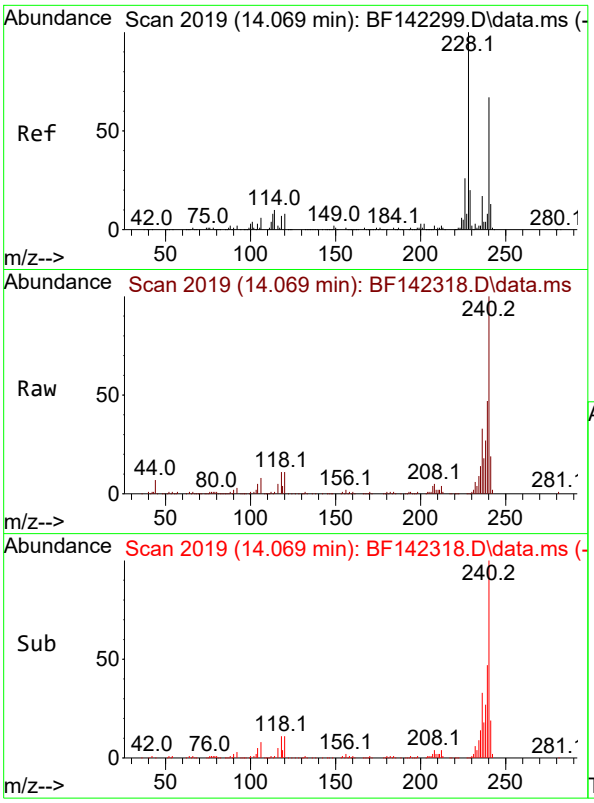


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.428 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142318.D
Acq: 12 May 2025 14:15

Tgt Ion:188 Resp: 592391

Ion	Ratio	Lower	Upper
188	100		
94	9.8	7.5	11.3
80	10.0	7.9	11.9



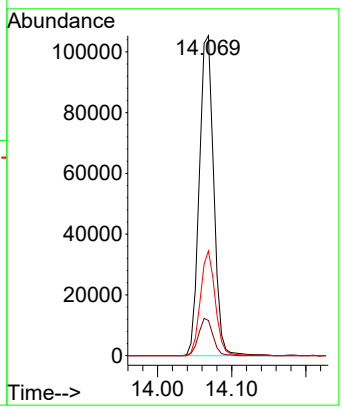


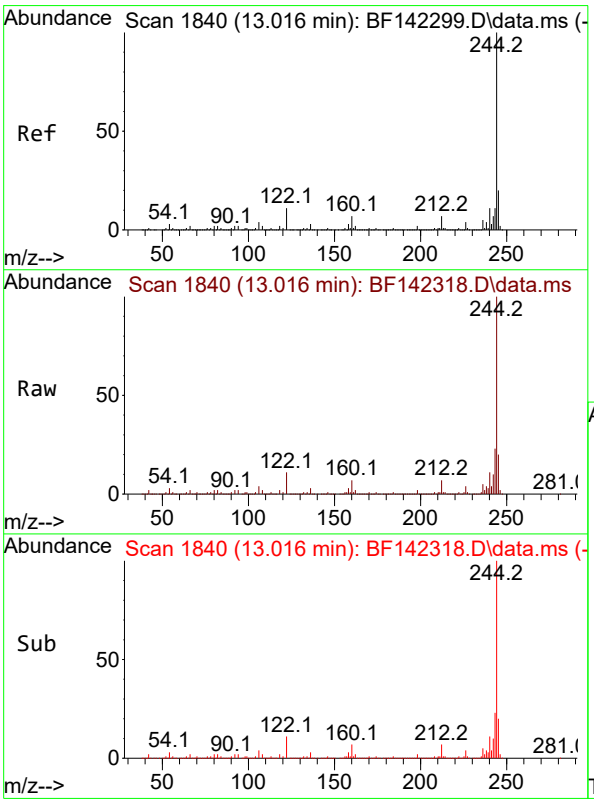
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142318.D
Acq: 12 May 2025 14:15

Instrument :
BNA_F
ClientSampleId :
VNJ-218

Tgt Ion:240 Resp: 142438

Ion	Ratio	Lower	Upper
240	100		
120	11.0	9.7	14.5
236	32.7	20.0	30.0#

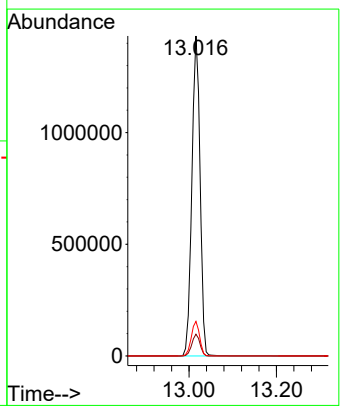


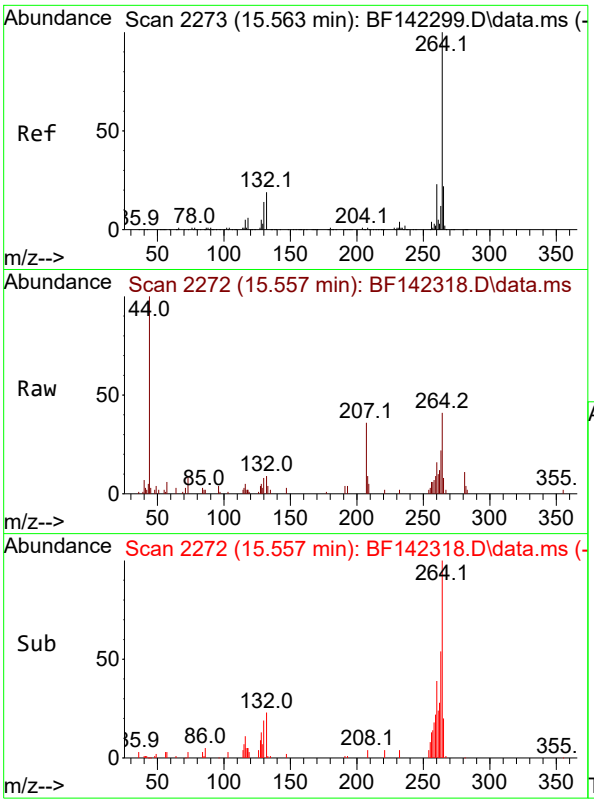


#79
Terphenyl-d14
Concen: 194.290 ng
RT: 13.016 min Scan# 1840
Delta R.T. 0.000 min
Lab File: BF142318.D
Acq: 12 May 2025 14:15

Tgt Ion:244 Resp: 1869748

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.2
122	10.8	9.0	13.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142318.D
Acq: 12 May 2025 14:15

Instrument :
BNA_F
ClientSampleId :
VNJ-218

Tgt Ion:264 Resp: 7944

Ion	Ratio	Lower	Upper
264	100		
260	39.5	18.6	27.8#
265	20.4	17.5	26.3