Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142937.D
Acq On : 01 Jul 2025 02:14
Operator : RC/JU
Sample : Q2445-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CONCRETE-PAD-6-27-25

Quant Time: Jul 01 03:04:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	49225	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	159596	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	73805	20.000	ng	0.00
64) Phenanthrene-d10	11.439	188	80601	20.000	ng	# 0.03
76) Chrysene-d12	14.068	240	135556	20.000	ng	0.01
86) Perylene-d12	15.545	264	116872	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	152357	51.531	ng	0.00
7) Phenol-d6	6.498	99	200723	57.543	ng	-0.01
23) Nitrobenzene-d5	7.434	82	123290	42.373	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	35494	46.733	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	246556	43.885	ng	-0.01
79) Terphenyl-d14	13.045	244	254214	25.912	ng	0.05
Target Compounds						Qvalue
46) 1,1'-Biphenyl	9.333	154	44631	7.655	ng	100

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

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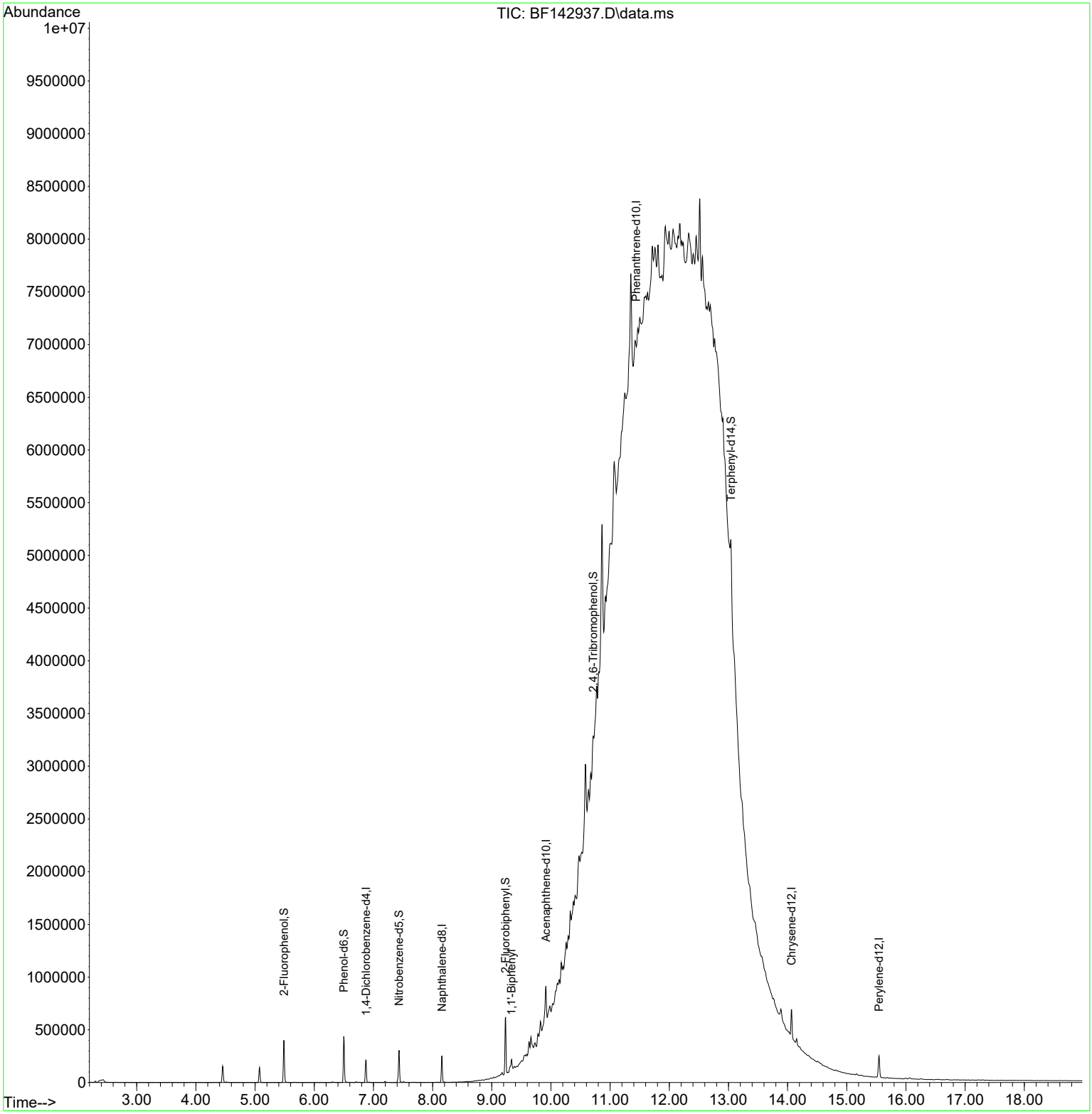
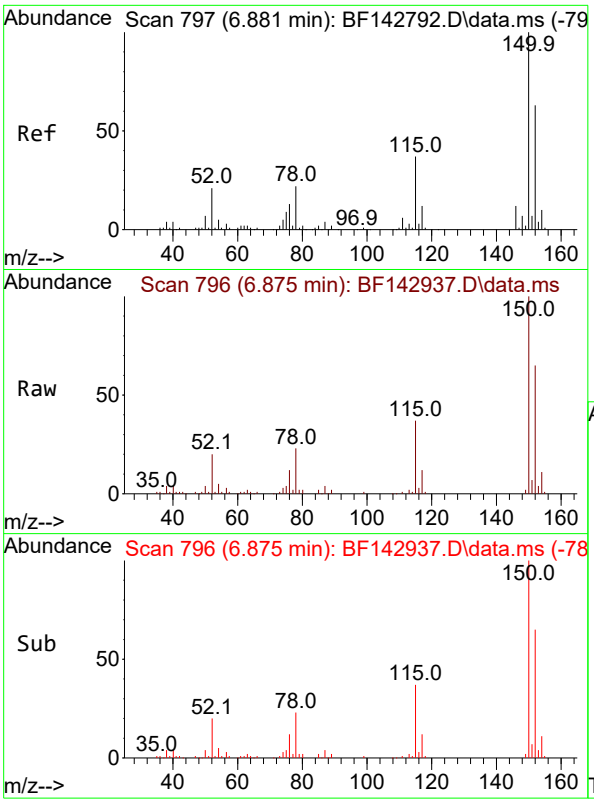


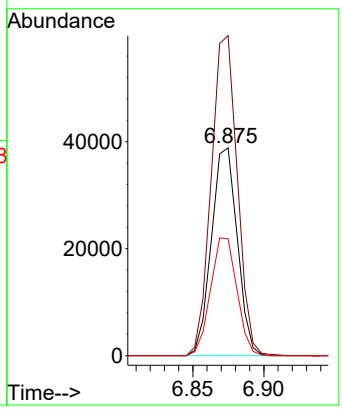


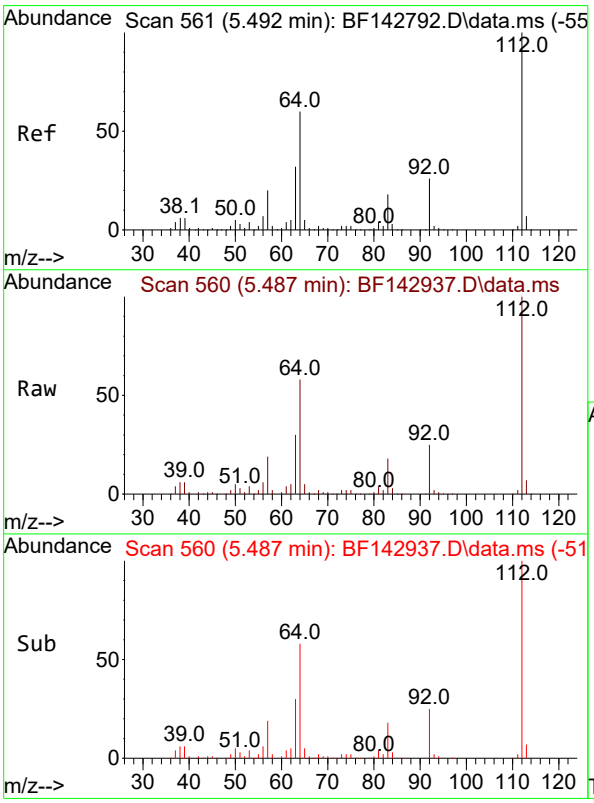
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142937.D
Acq: 01 Jul 2025 02:14

Instrument :
BNA_F
ClientSampleId :
CONCRETE-PAD-6-27-25

Tgt Ion:152 Resp: 49225

Ion	Ratio	Lower	Upper
152	100		
150	153.9	127.2	190.8
115	56.3	46.6	69.8

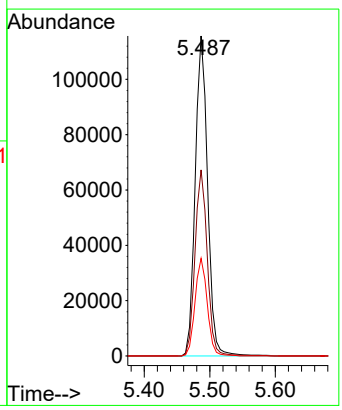


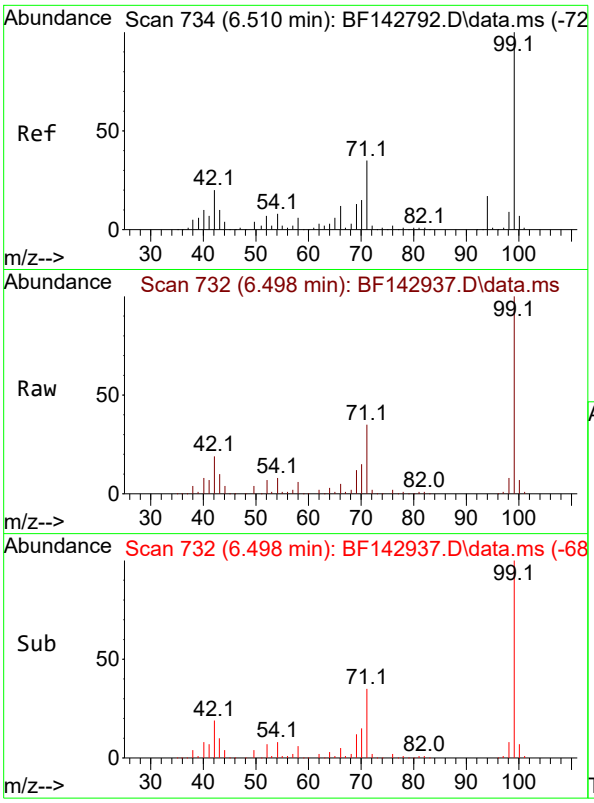


#5
2-Fluorophenol
Concen: 51.531 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.005 min
Lab File: BF142937.D
Acq: 01 Jul 2025 02:14

Tgt Ion:112 Resp: 152357

Ion	Ratio	Lower	Upper
112	100		
64	58.2	48.2	72.2
63	30.5	25.7	38.5



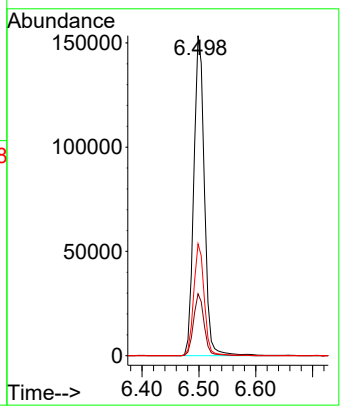


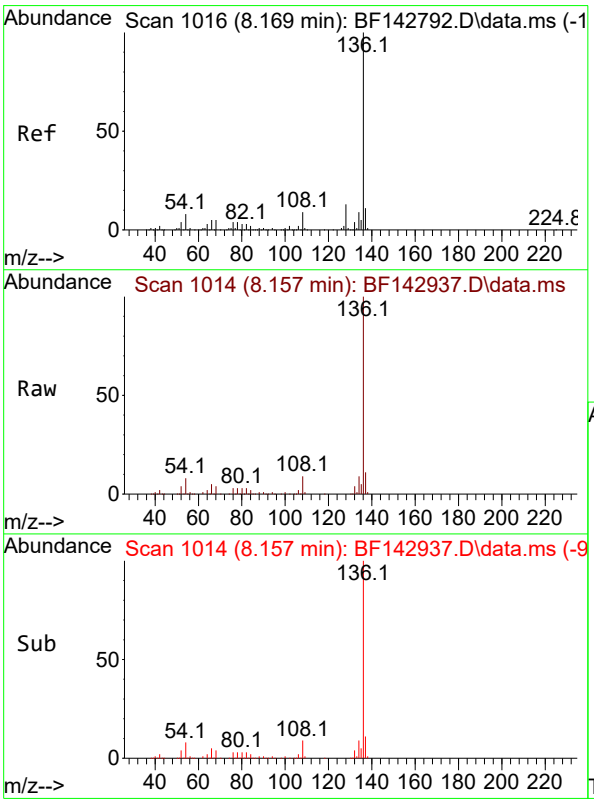
#7
Phenol-d6
Concen: 57.543 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142937.D
Acq: 01 Jul 2025 02:14

Instrument :
BNA_F
ClientSampleId :
CONCRETE-PAD-6-27-25

Tgt Ion: 99 Resp: 200723

Ion	Ratio	Lower	Upper
99	100		
42	19.4	15.9	23.9
71	35.0	27.8	41.8

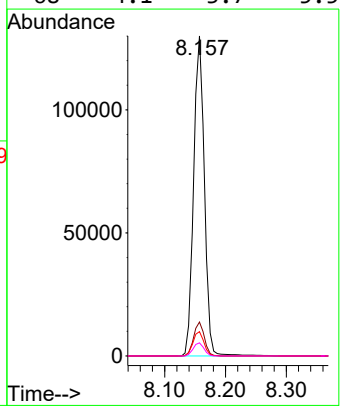


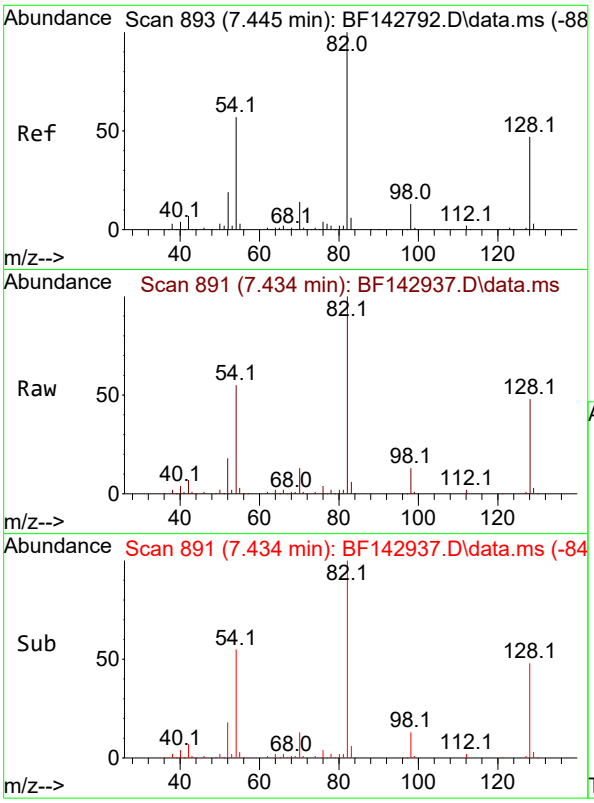


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142937.D
Acq: 01 Jul 2025 02:14

Tgt Ion:136 Resp: 159596

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.4	12.6
54	7.6	6.3	9.5
68	4.1	3.7	5.5



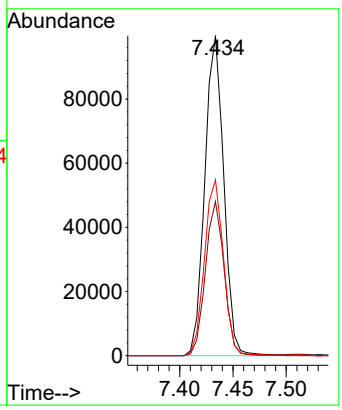


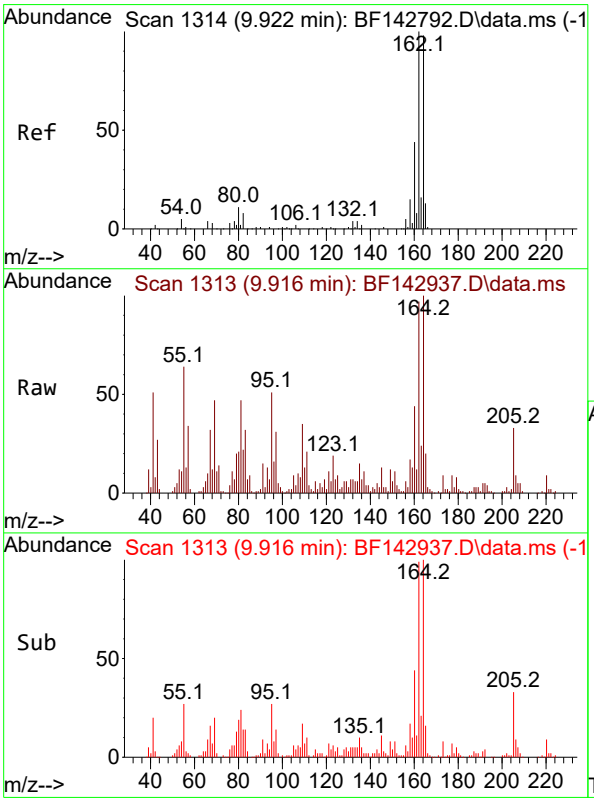
#23
Nitrobenzene-d5
Concen: 42.373 ng
RT: 7.434 min Scan# 8
Delta R.T. -0.011 min
Lab File: BF142937.D
Acq: 01 Jul 2025 02:14

Instrument :
BNA_F
ClientSampleId :
CONCRETE-PAD-6-27-25

Tgt Ion: 82 Resp: 123290

Ion	Ratio	Lower	Upper
82	100		
128	48.2	37.7	56.5
54	55.0	45.7	68.5

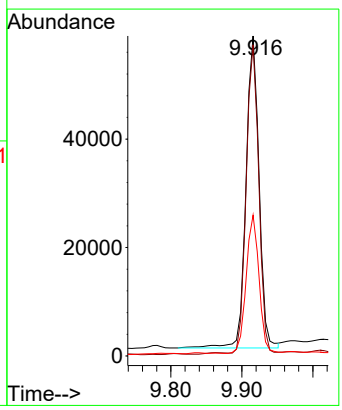


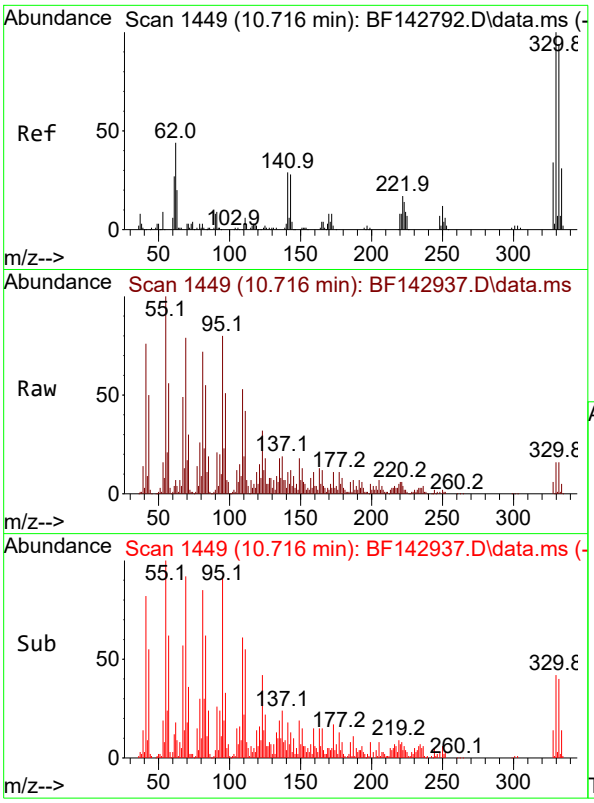


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142937.D
Acq: 01 Jul 2025 02:14

Tgt Ion:164 Resp: 73805

Ion	Ratio	Lower	Upper
164	100		
162	97.3	81.8	122.8
160	44.0	36.0	54.0



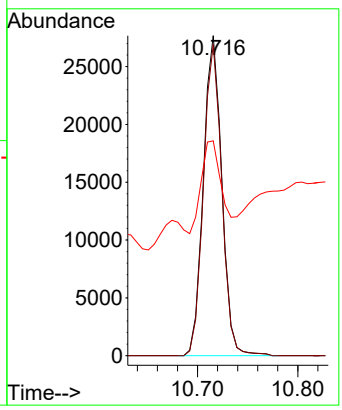


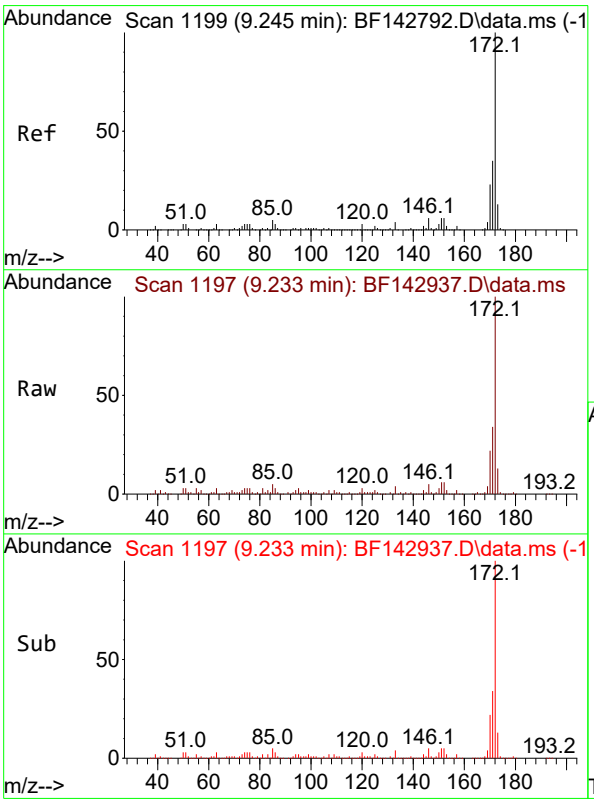
#42
2,4,6-Tribromophenol
Concen: 46.733 ng
RT: 10.716 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142937.D
Acq: 01 Jul 2025 02:14

Instrument :
BNA_F
ClientSampleId :
CONCRETE-PAD-6-27-25

Tgt Ion:330 Resp: 35494

Ion	Ratio	Lower	Upper
330	100		
332	96.5	75.0	112.6
141	31.0	25.3	37.9

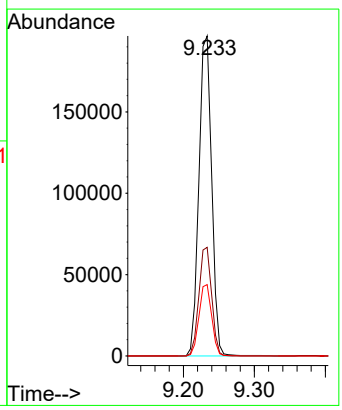


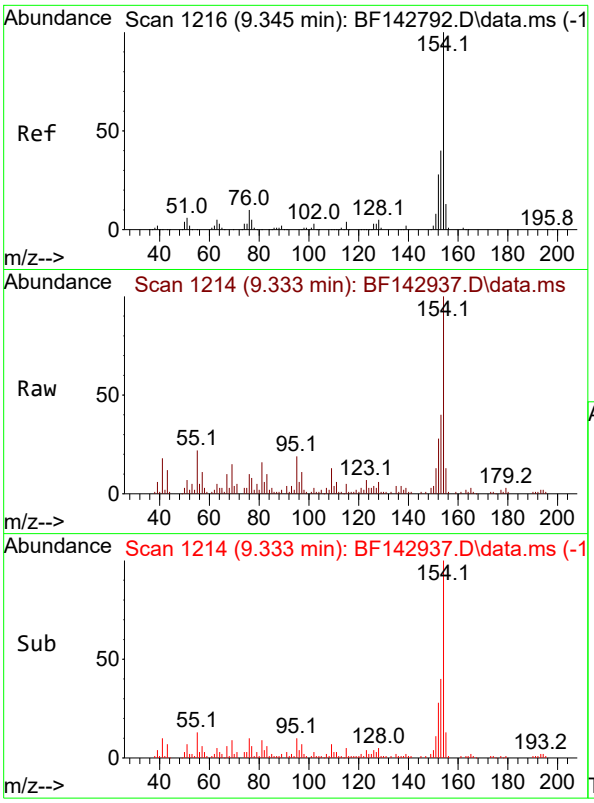


#45
2-Fluorobiphenyl
Concen: 43.885 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.012 min
Lab File: BF142937.D
Acq: 01 Jul 2025 02:14

Tgt Ion:172 Resp: 246556

Ion	Ratio	Lower	Upper
172	100		
171	34.0	28.2	42.4
170	22.3	18.5	27.7



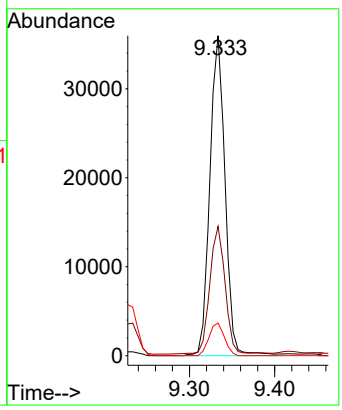


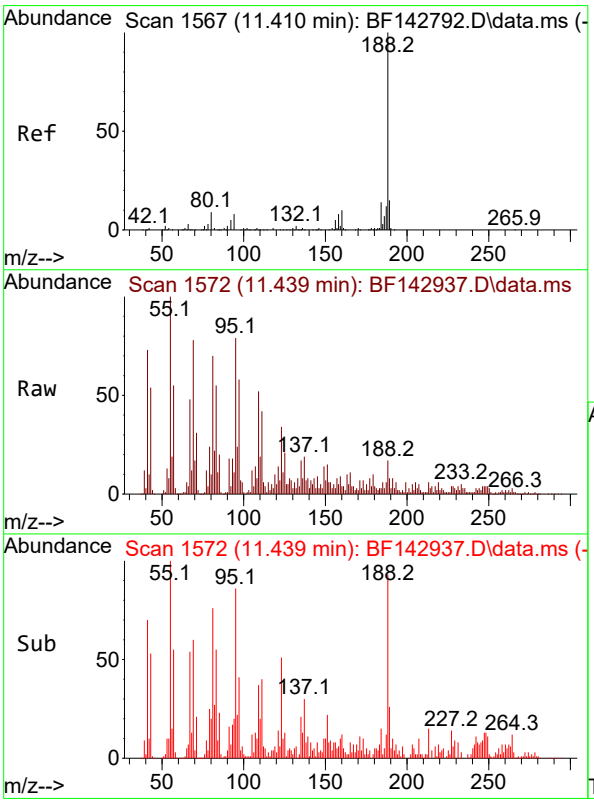
#46
1,1'-Biphenyl
Concen: 7.655 ng
RT: 9.333 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142937.D
Acq: 01 Jul 2025 02:14

Instrument :
BNA_F
ClientSampleId :
CONCRETE-PAD-6-27-25

Tgt Ion:154 Resp: 44631

Ion	Ratio	Lower	Upper
154	100		
153	40.4	20.3	60.3
76	10.2	0.0	30.3

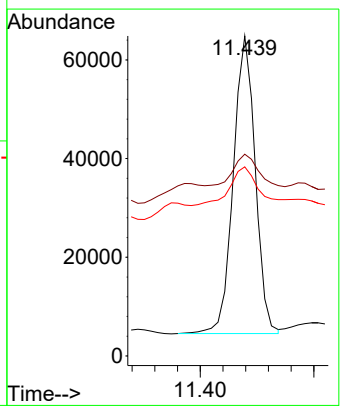


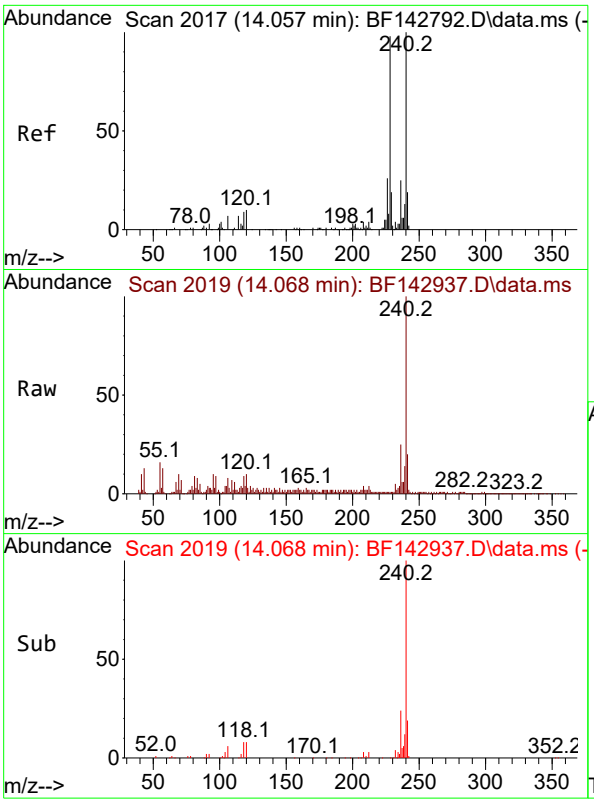


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.439 min Scan# 1572
Delta R.T. 0.029 min
Lab File: BF142937.D
Acq: 01 Jul 2025 02:14

Tgt Ion:188 Resp: 80601

Ion	Ratio	Lower	Upper
188	100		
94	63.0	6.7	10.1#
80	59.1	6.9	10.3#



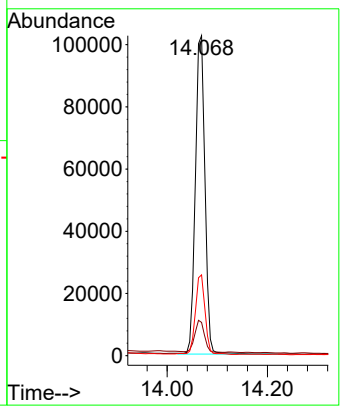


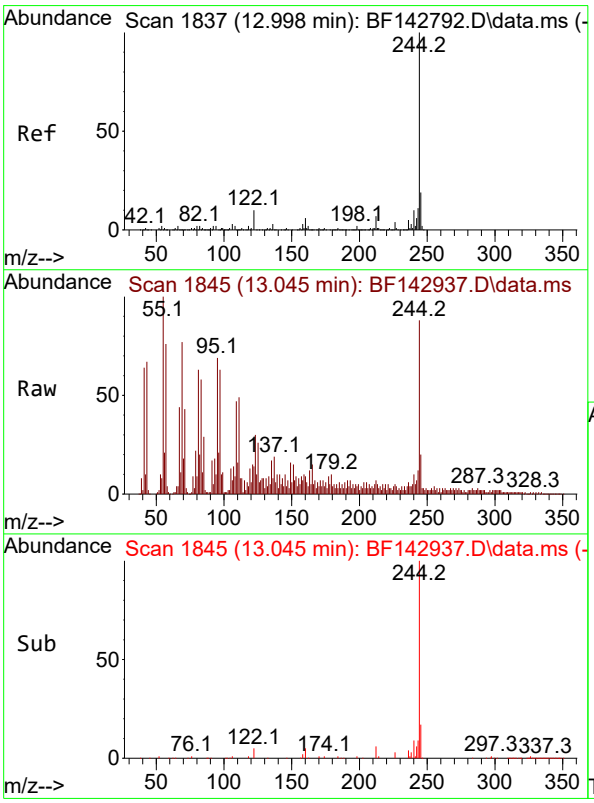
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF142937.D
Acq: 01 Jul 2025 02:14

Instrument :
BNA_F
ClientSampleId :
CONCRETE-PAD-6-27-25

Tgt Ion:240 Resp: 135556

Ion	Ratio	Lower	Upper
240	100		
120	10.4	8.2	12.2
236	25.2	19.8	29.8

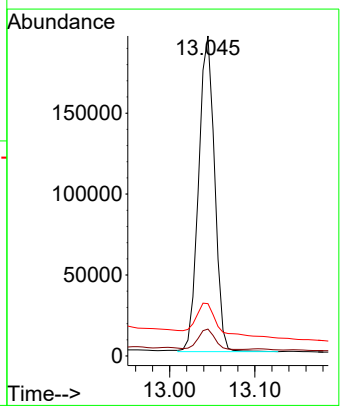


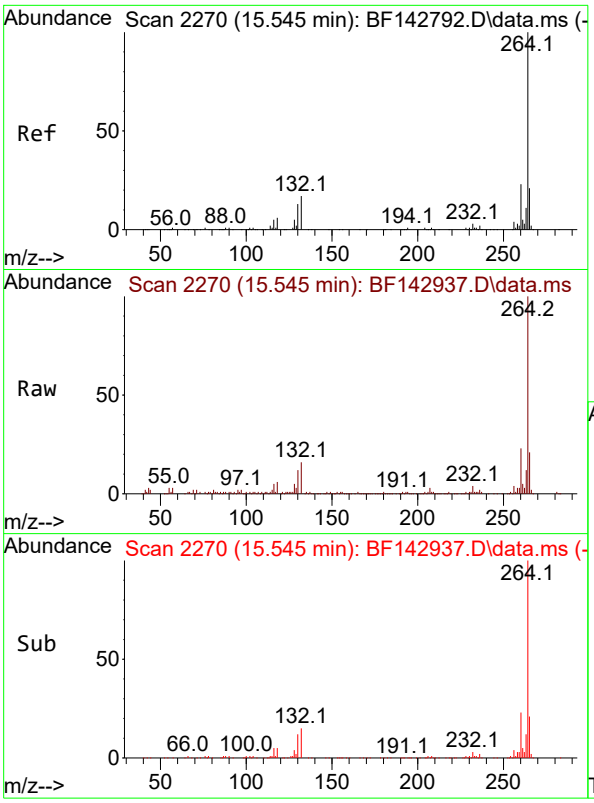


#79
Terphenyl-d14
Concen: 25.912 ng
RT: 13.045 min Scan# 1845
Delta R.T. 0.047 min
Lab File: BF142937.D
Acq: 01 Jul 2025 02:14

Tgt Ion:244 Resp: 254214

Ion	Ratio	Lower	Upper
244	100		
212	8.4	5.4	8.0#
122	16.4	8.2	12.2#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142937.D
Acq: 01 Jul 2025 02:14

Instrument :
BNA_F
ClientSampleId :
CONCRETE-PAD-6-27-25

Tgt Ion:264 Resp: 116872

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.1	27.1
265	21.4	16.6	25.0