

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
 Data File : BF144269.D
 Acq On : 17 Nov 2025 15:59
 Operator : RC/JU
 Sample : Q3638-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 17 16:38:09 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 05 18:37:33 2025
 Response via : Initial Calibration

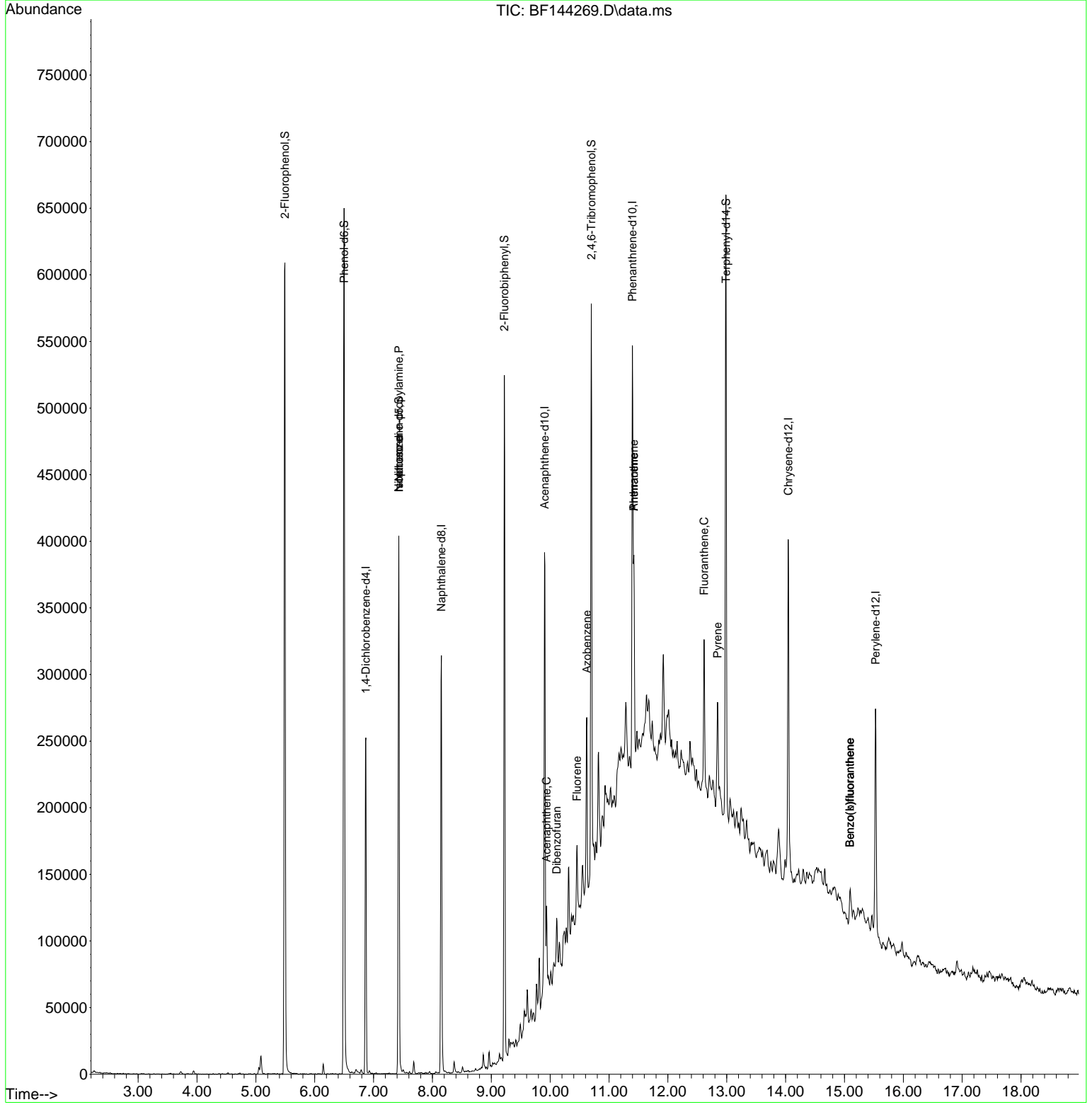
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	54887	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	205034	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	105847	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	165397	20.000	ng	0.00
76) Chrysene-d12	14.045	240	126328	20.000	ng	0.00
86) Perylene-d12	15.527	264	110144	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	245872	70.100	ng	0.00
7) Phenol-d6	6.498	99	273119	68.723	ng	0.00
23) Nitrobenzene-d5	7.428	82	163845	46.153	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	82806	62.342	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	236344	32.978	ng	0.00
79) Terphenyl-d14	12.986	244	244222	30.708	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.428	70	23361	8.929	ng	# 79
25) Isophorone	7.428	82	163843	24.400	ng	# 66
52) Acenaphthene	9.939	154	16688	2.906	ng	96
55) Dibenzofuran	10.110	168	18497	2.300	ng	# 93
58) Fluorene	10.457	166	14368	2.349	ng	# 86
63) Azobenzene	10.622	77	32638	5.425	ng	# 1
71) Phenanthrene	11.422	178	79908	9.704	ng	98
72) Anthracene	11.422	178	79908	9.543	ng	98
75) Fluoranthene	12.616	202	63583	7.475	ng	99
78) Pyrene	12.845	202	46274	4.543	ng	95
88) Benzo(b)fluoranthene	15.092	252	21323	3.405	ng	# 85
89) Benzo(k)fluoranthene	15.092	252	21323	3.638	ng	# 86

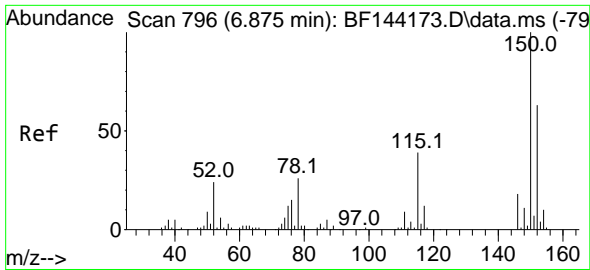
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
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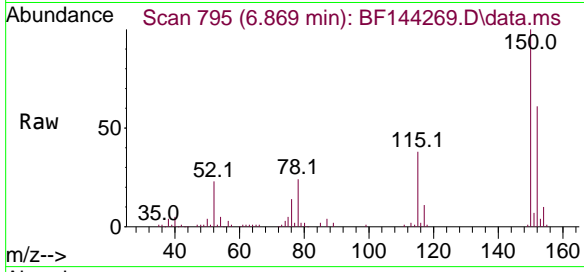
Quant Time: Nov 17 16:38:09 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
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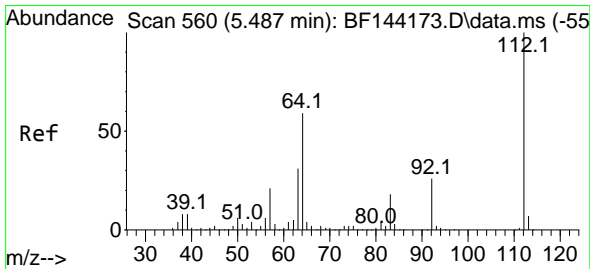
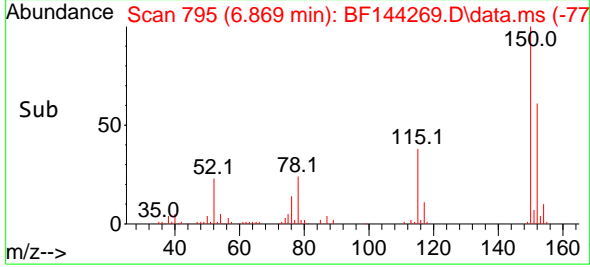
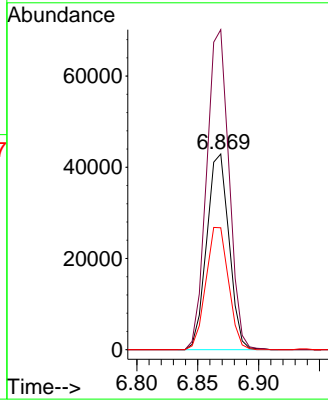


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.869 min Scan# 79
 Delta R.T. -0.006 min
 Lab File: BF144269.D
 Acq: 17 Nov 2025 15:59

Instrument :
 BNA_F
 ClientSampleId :

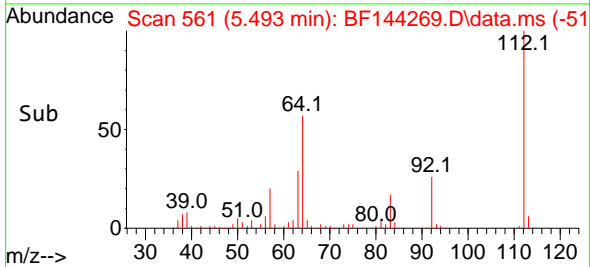
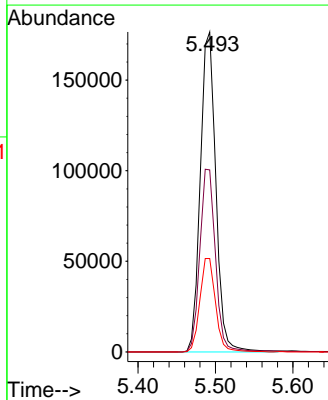
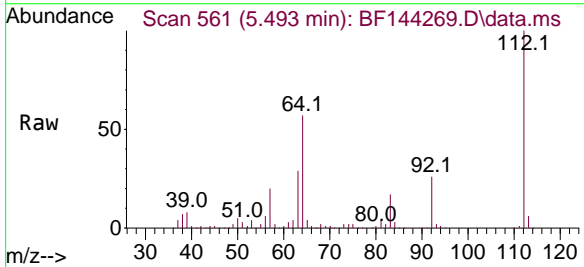


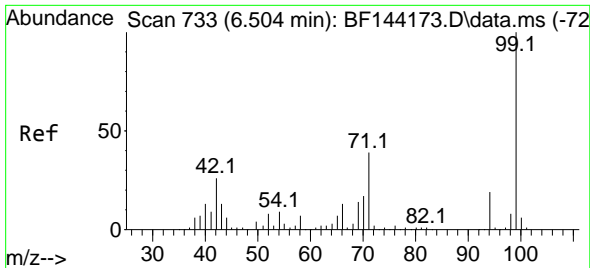
Tgt Ion:152 Resp: 54887
 Ion Ratio Lower Upper
 152 100
 150 163.6 127.4 191.0
 115 62.3 49.5 74.3



#5
 2-Fluorophenol
 Concen: 70.100 ng
 RT: 5.493 min Scan# 561
 Delta R.T. -0.000 min
 Lab File: BF144269.D
 Acq: 17 Nov 2025 15:59

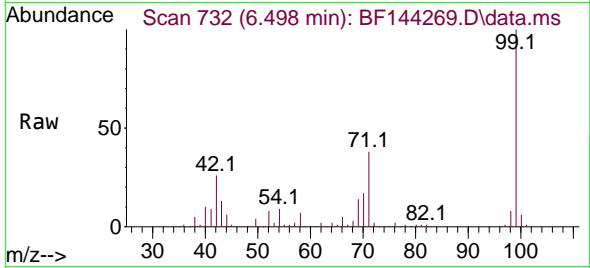
Tgt Ion:112 Resp: 245872
 Ion Ratio Lower Upper
 112 100
 64 56.9 47.2 70.8
 63 29.2 24.4 36.6



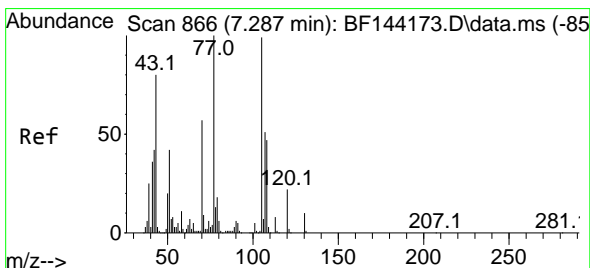
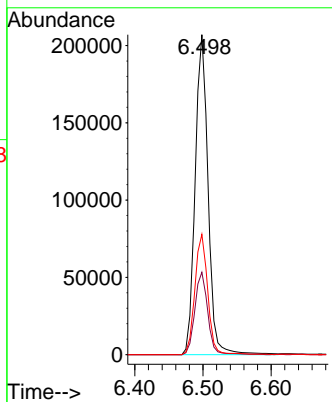
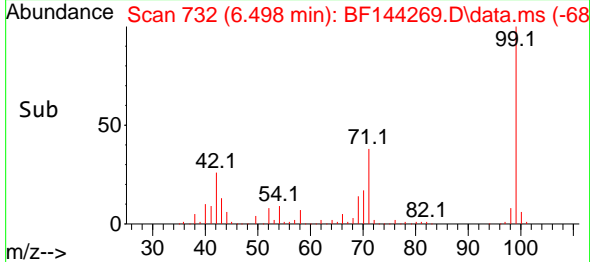


#7
 Phenol-d6
 Concen: 68.723 ng
 RT: 6.498 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: BF144269.D
 Acq: 17 Nov 2025 15:59

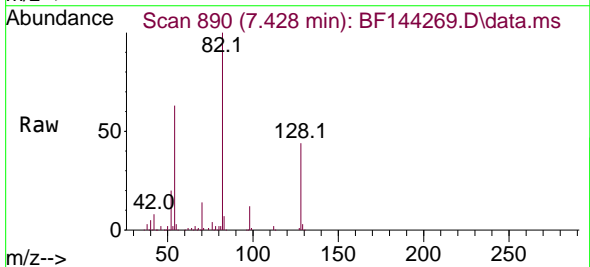
Instrument :
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 ClientSampleId :



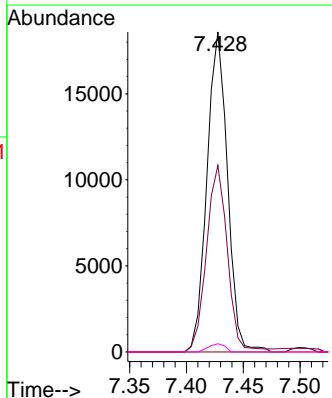
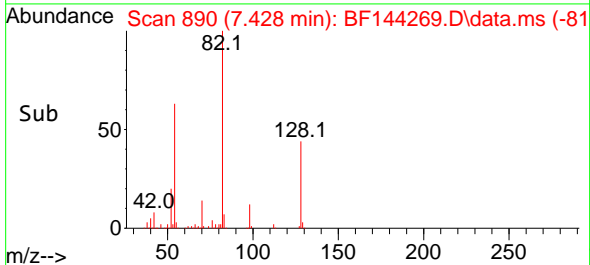
Tgt Ion: 99 Resp: 273119
 Ion Ratio Lower Upper
 99 100
 42 25.7 20.9 31.3
 71 37.6 31.4 47.2

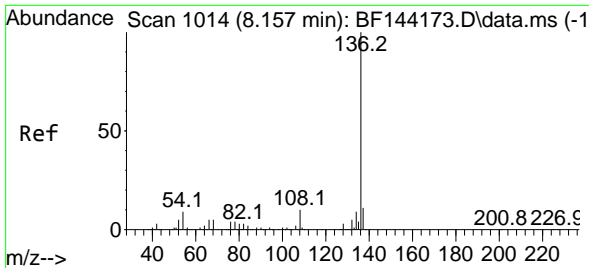


#19
 n-Nitroso-di-n-propylamine
 Concen: 8.929 ng
 RT: 7.428 min Scan# 890
 Delta R.T. 0.153 min
 Lab File: BF144269.D
 Acq: 17 Nov 2025 15:59



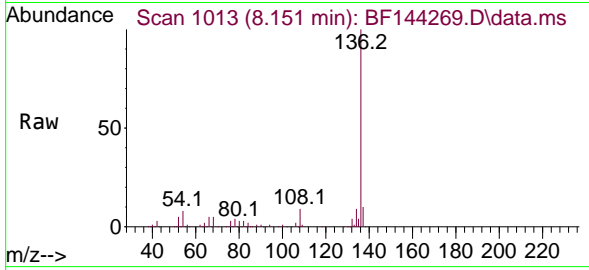
Tgt Ion: 70 Resp: 23361
 Ion Ratio Lower Upper
 70 100
 42 58.3 58.3 87.5#
 101 0.0 7.0 10.6#
 130 2.5 14.4 21.6#



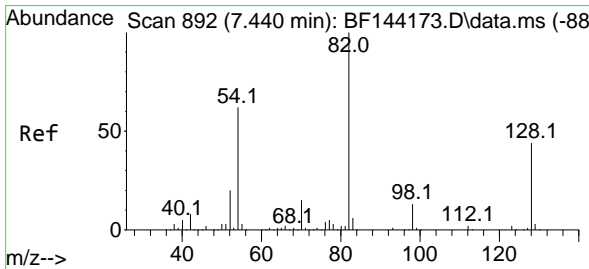
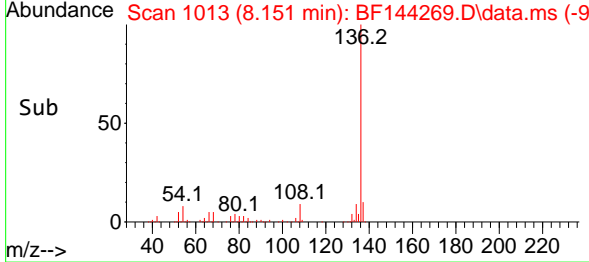
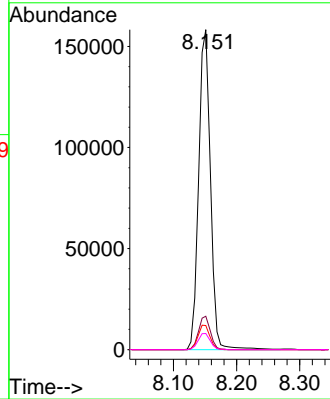


#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 8.151 min Scan# 10
 Delta R.T. -0.006 min
 Lab File: BF144269.D
 Acq: 17 Nov 2025 15:59

Instrument :
 BNA_F
 ClientSampleId :

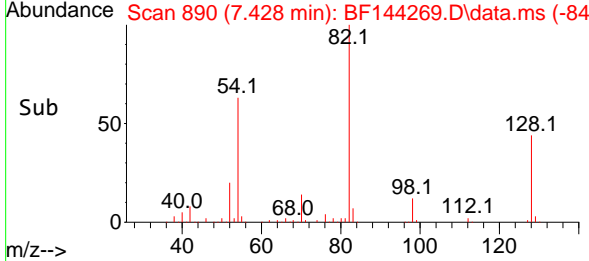
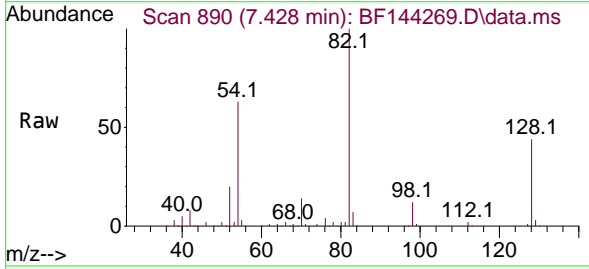
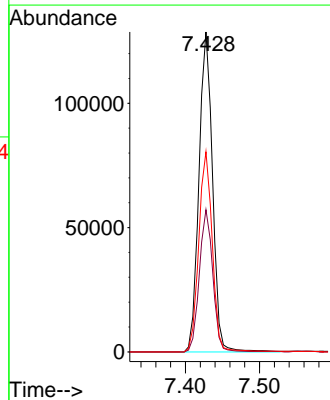


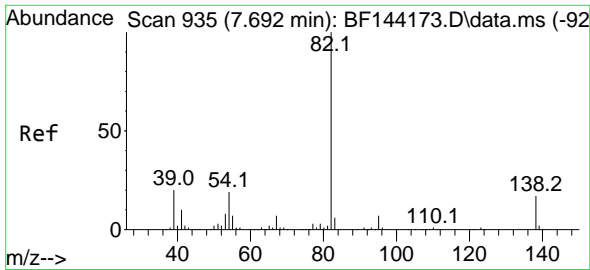
Tgt Ion:136 Resp: 205034
 Ion Ratio Lower Upper
 136 100
 137 10.4 8.6 13.0
 54 7.5 7.0 10.6
 68 5.0 4.3 6.5



#23
 Nitrobenzene-d5
 Concen: 46.153 ng
 RT: 7.428 min Scan# 890
 Delta R.T. -0.006 min
 Lab File: BF144269.D
 Acq: 17 Nov 2025 15:59

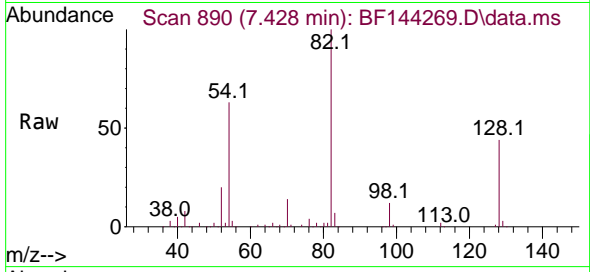
Tgt Ion: 82 Resp: 163845
 Ion Ratio Lower Upper
 82 100
 128 44.4 34.7 52.1
 54 62.5 49.5 74.3



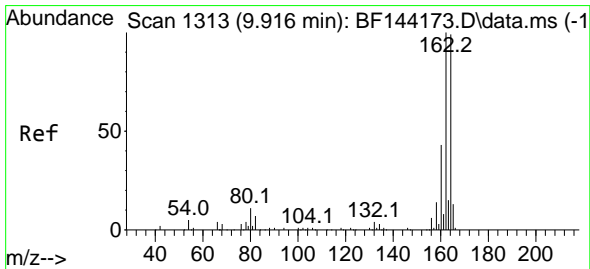
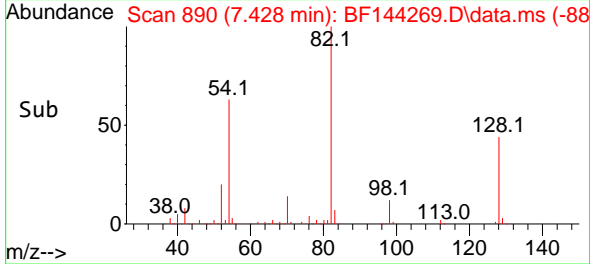
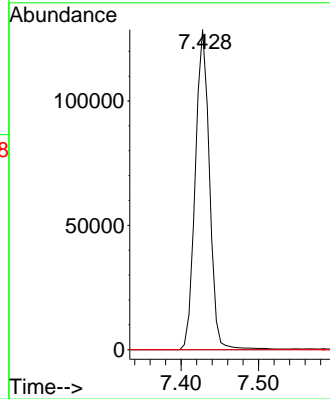


#25
 Isophorone
 Concen: 24.400 ng
 RT: 7.428 min Scan# 89
 Delta R.T. -0.259 min
 Lab File: BF144269.D
 Acq: 17 Nov 2025 15:59

Instrument :
 BNA_F
 ClientSampleId :

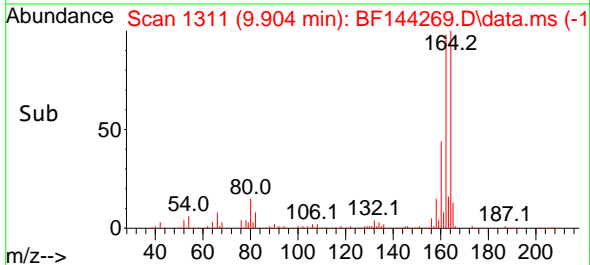
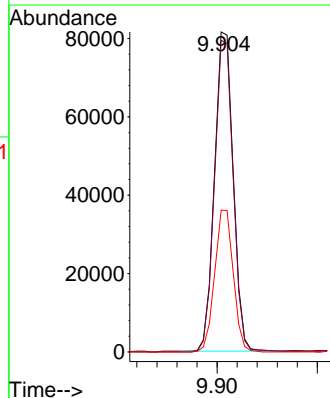
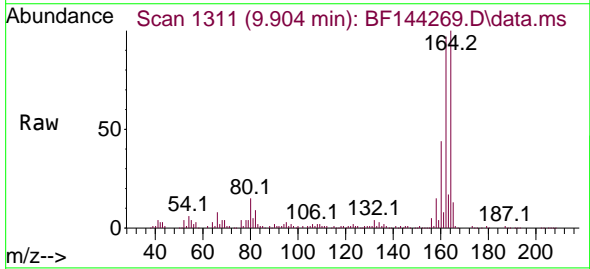


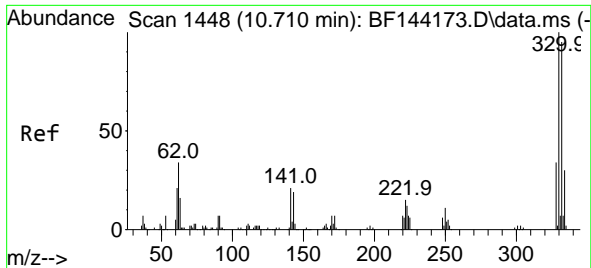
Tgt Ion: 82 Resp: 163843
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.5 8.3#
 138 0.0 13.7 20.5#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.904 min Scan# 1311
 Delta R.T. -0.012 min
 Lab File: BF144269.D
 Acq: 17 Nov 2025 15:59

Tgt Ion: 164 Resp: 105847
 Ion Ratio Lower Upper
 164 100
 162 97.4 81.1 121.7
 160 44.3 34.5 51.7

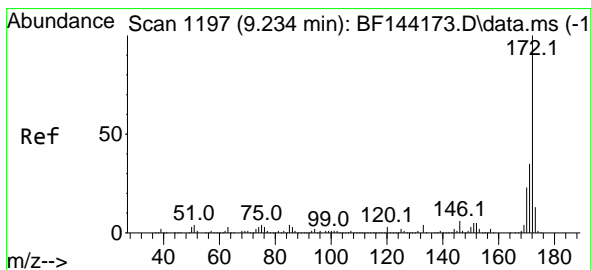
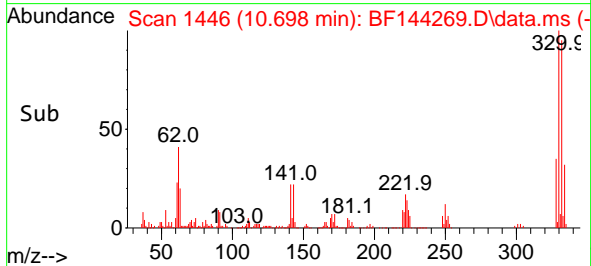
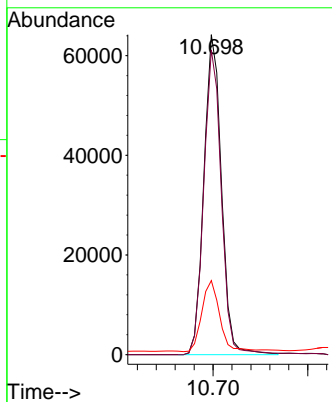
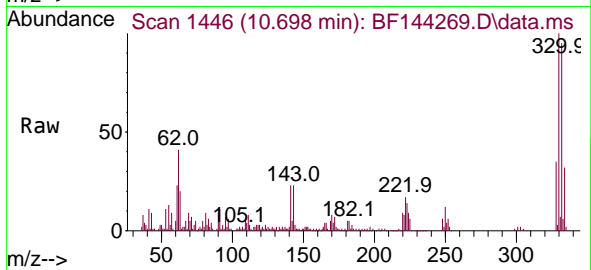




#42
 2,4,6-Tribromophenol
 Concen: 62.342 ng
 RT: 10.698 min Scan# 1446
 Delta R.T. -0.006 min
 Lab File: BF144269.D
 Acq: 17 Nov 2025 15:59

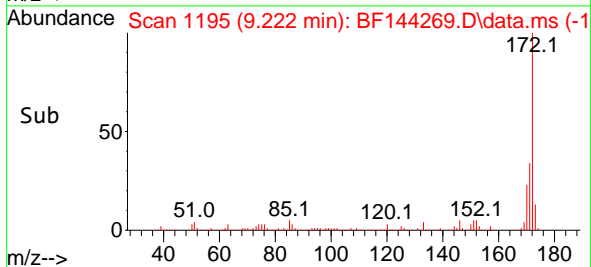
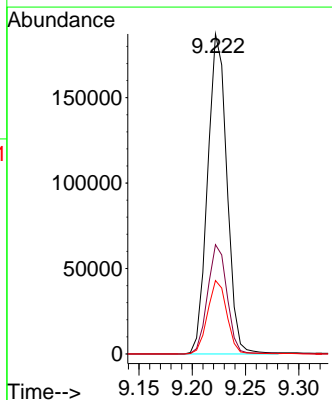
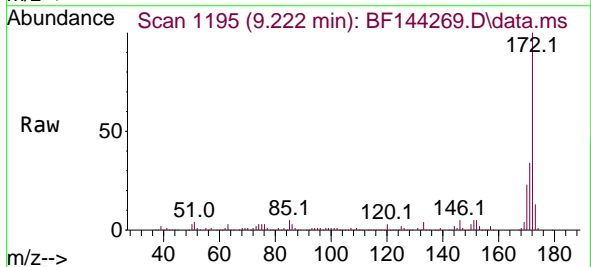
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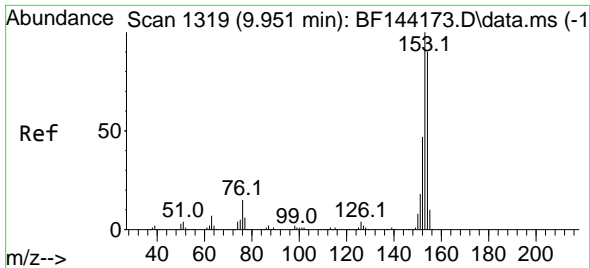
Tgt Ion	Resp	Lower	Upper
330	100		
332	95.2	76.7	115.1
141	23.4	17.8	26.8



#45
 2-Fluorobiphenyl
 Concen: 32.978 ng
 RT: 9.222 min Scan# 1195
 Delta R.T. -0.006 min
 Lab File: BF144269.D
 Acq: 17 Nov 2025 15:59

Tgt Ion	Resp	Lower	Upper
172	100		
171	34.1	28.1	42.1
170	22.9	18.6	28.0

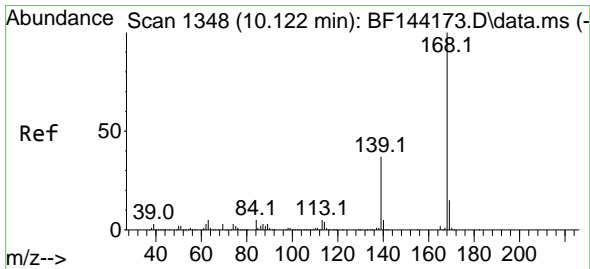
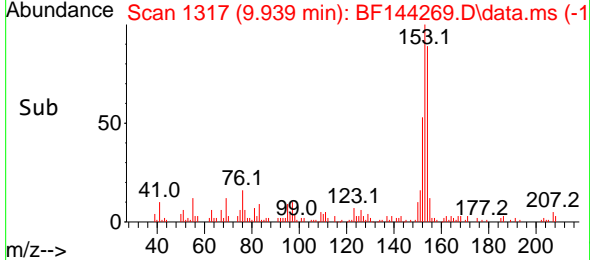
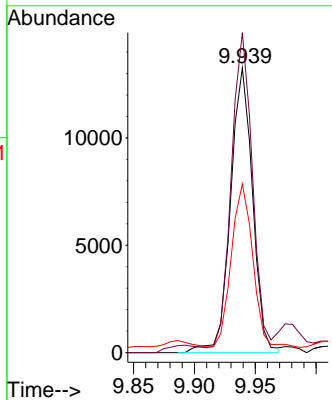
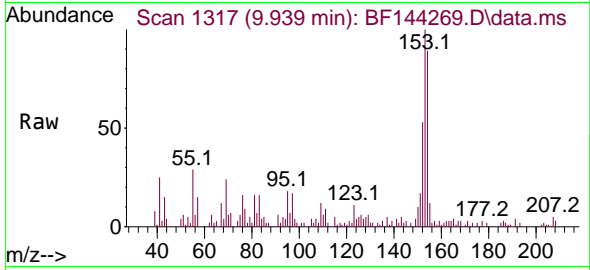




#52
 Acenaphthene
 Concen: 2.906 ng
 RT: 9.939 min Scan# 1317
 Delta R.T. -0.006 min
 Lab File: BF144269.D
 Acq: 17 Nov 2025 15:59

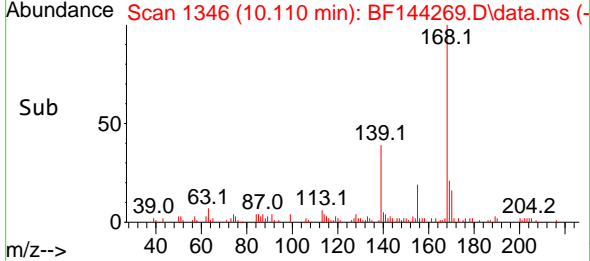
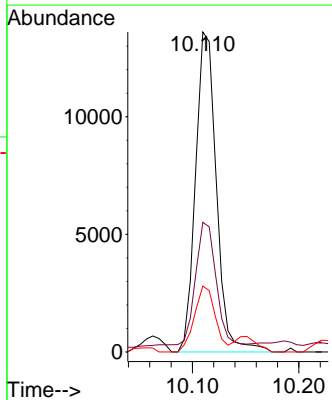
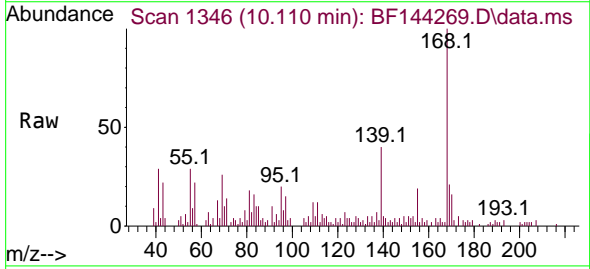
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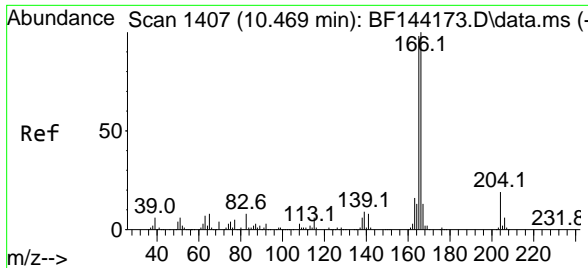
Tgt Ion:154	Resp:	16688
Ion Ratio	Lower	Upper
154	100	
153	112.4	89.0 133.4
152	59.3	42.2 63.4



#55
 Dibenzofuran
 Concen: 2.300 ng
 RT: 10.110 min Scan# 1346
 Delta R.T. -0.006 min
 Lab File: BF144269.D
 Acq: 17 Nov 2025 15:59

Tgt Ion:168	Resp:	18497
Ion Ratio	Lower	Upper
168	100	
139	40.5	30.2 45.2
169	20.6	12.2 18.4



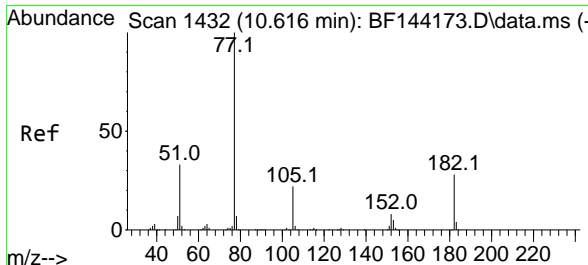
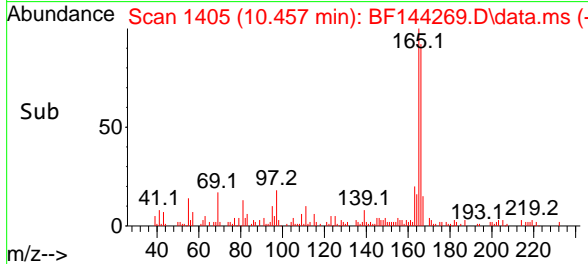
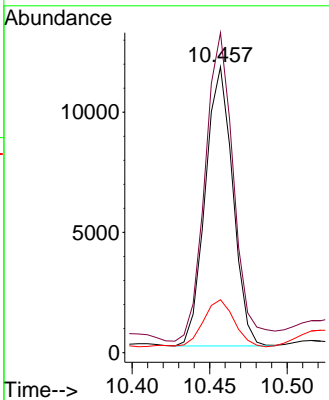
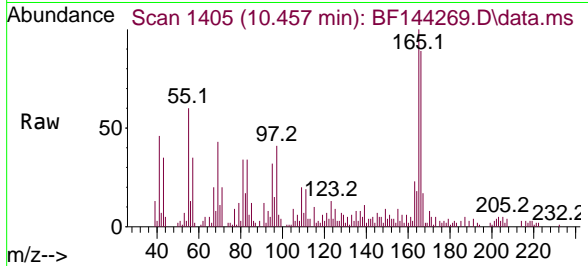


#58
 Fluorene
 Concen: 2.349 ng
 RT: 10.457 min Scan# 1405
 Delta R.T. -0.006 min
 Lab File: BF144269.D
 Acq: 17 Nov 2025 15:59

Instrument : BNA_F
 ClientSampleId :

Tgt Ion:166 Resp: 14368

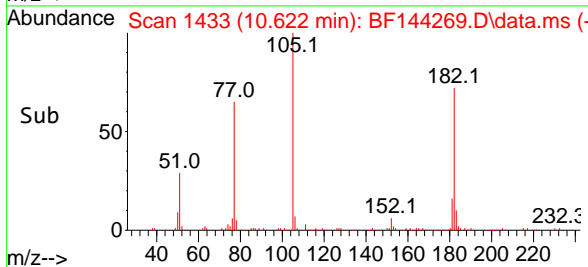
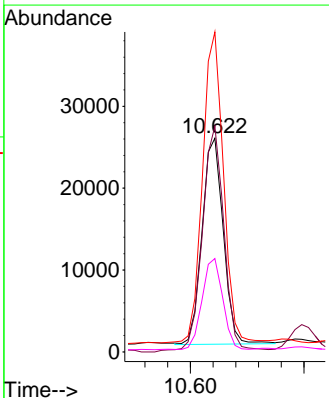
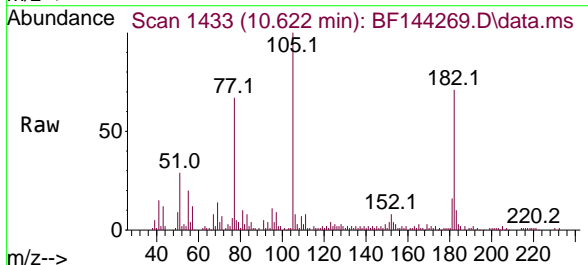
Ion	Ratio	Lower	Upper
166	100		
165	112.0	78.6	118.0
167	18.5	10.4	15.6

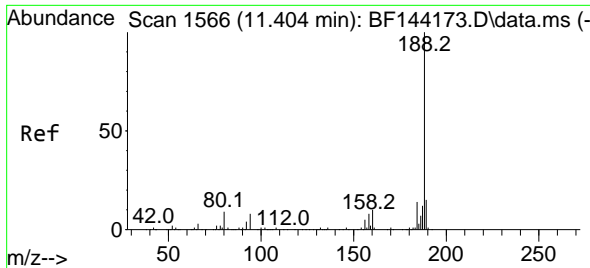


#63
 Azobenzene
 Concen: 5.425 ng
 RT: 10.622 min Scan# 1433
 Delta R.T. 0.006 min
 Lab File: BF144269.D
 Acq: 17 Nov 2025 15:59

Tgt Ion: 77 Resp: 32638

Ion	Ratio	Lower	Upper
77	100		
182	105.6	8.1	48.1
105	149.7	2.0	42.0
51	43.7	13.9	53.9

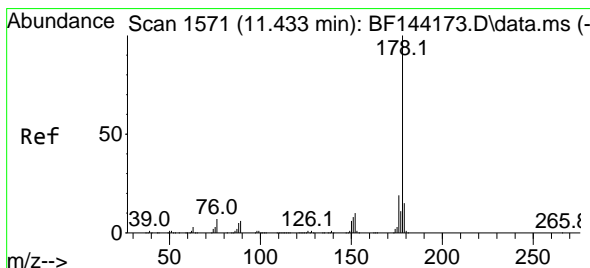
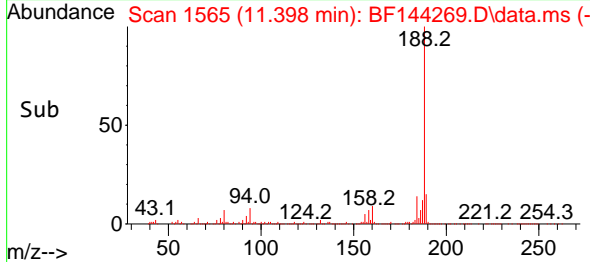
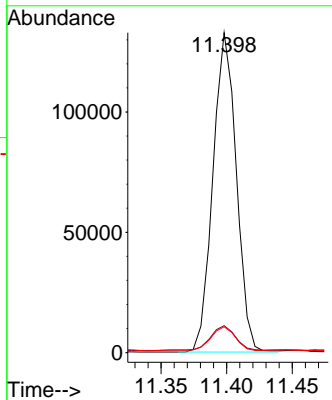
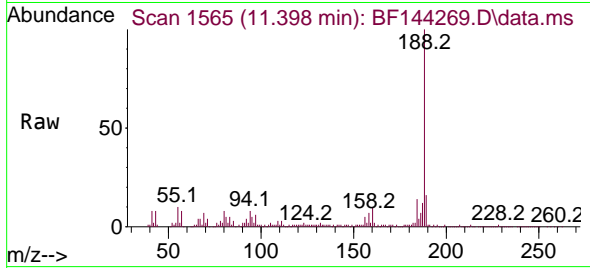




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.398 min Scan# 1565
 Delta R.T. -0.006 min
 Lab File: BF144269.D
 Acq: 17 Nov 2025 15:59

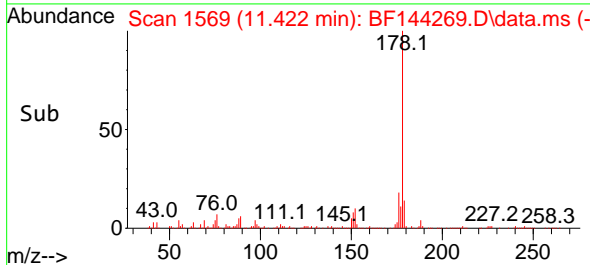
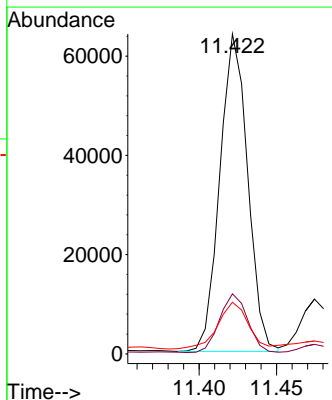
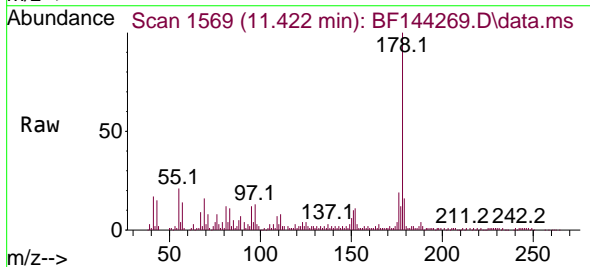
Instrument :
 BNA_F
 ClientSampleId :

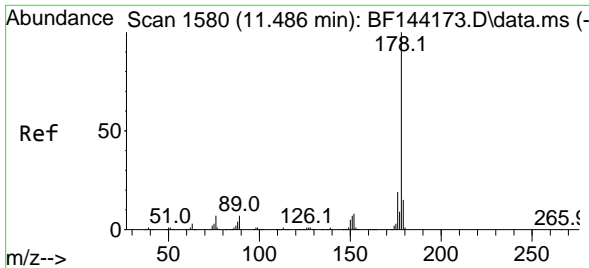
Tgt Ion	Resp	Lower	Upper
188	100		
94	8.4	6.2	9.2
80	8.1	6.9	10.3



#71
 Phenanthrene
 Concen: 9.704 ng
 RT: 11.422 min Scan# 1569
 Delta R.T. -0.006 min
 Lab File: BF144269.D
 Acq: 17 Nov 2025 15:59

Tgt Ion	Resp	Lower	Upper
178	100		
176	18.8	15.5	23.3
179	16.1	12.2	18.4



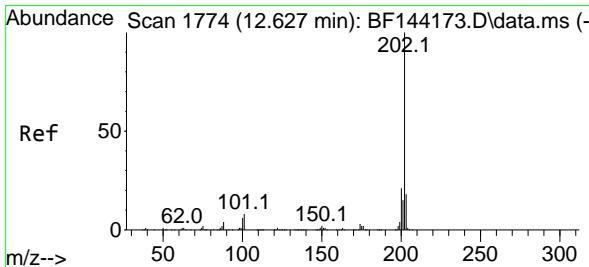
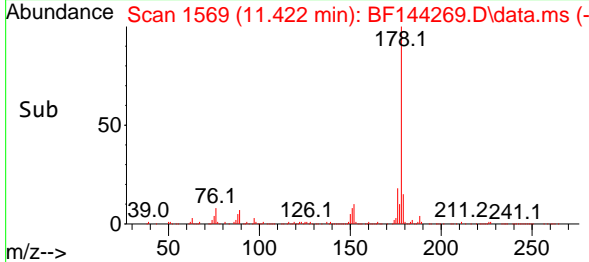
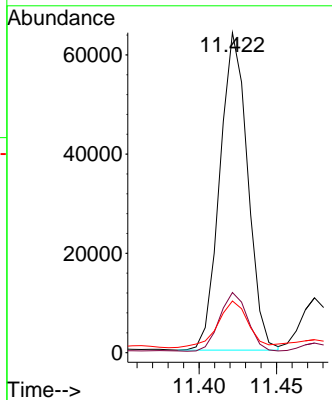
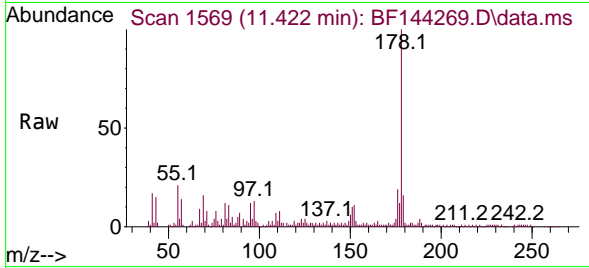


#72
 Anthracene
 Concen: 9.543 ng
 RT: 11.422 min Scan# 11
 Delta R.T. -0.059 min
 Lab File: BF144269.D
 Acq: 17 Nov 2025 15:59

Instrument : BNA_F
 Client Sample Id :

Tgt Ion:178 Resp: 79908

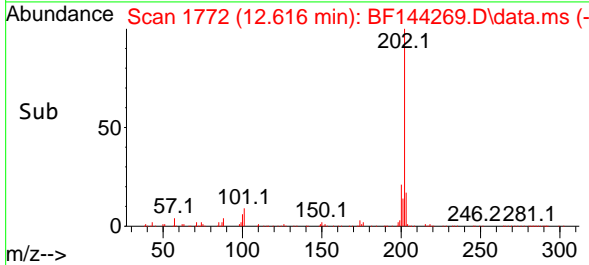
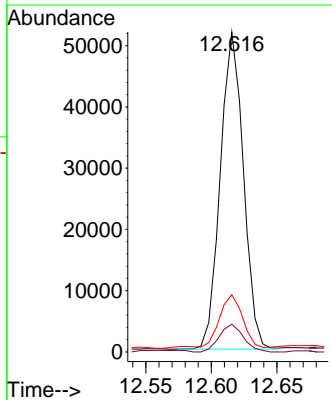
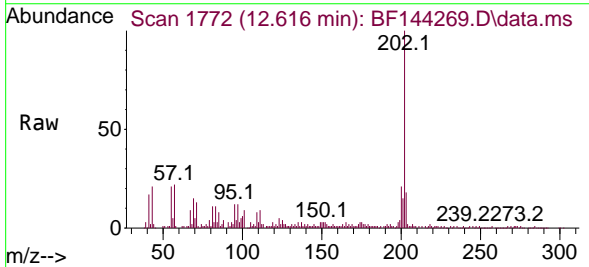
Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.3	22.9
179	16.1	12.0	18.0

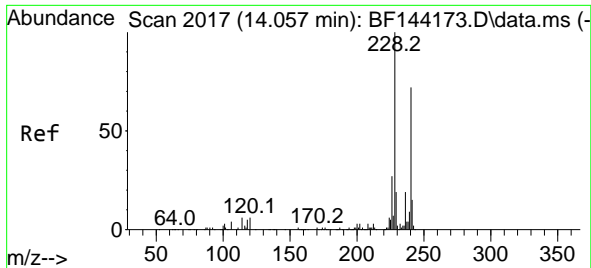


#75
 Fluoranthene
 Concen: 7.475 ng
 RT: 12.616 min Scan# 1772
 Delta R.T. -0.006 min
 Lab File: BF144269.D
 Acq: 17 Nov 2025 15:59

Tgt Ion:202 Resp: 63583

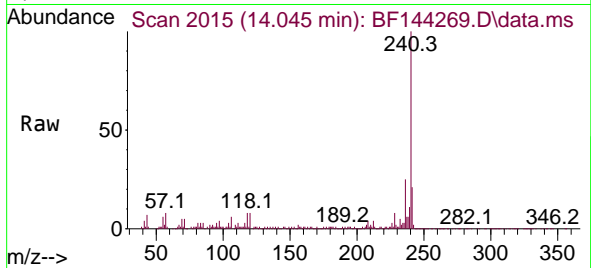
Ion	Ratio	Lower	Upper
202	100		
101	8.6	0.0	27.9
203	17.9	0.0	37.5



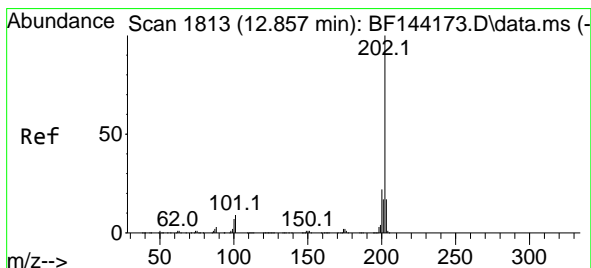
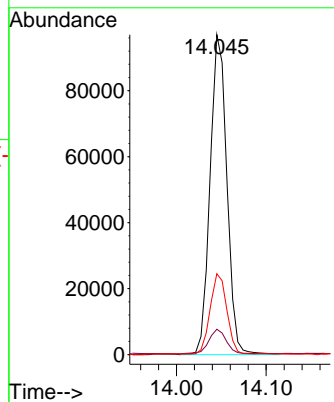
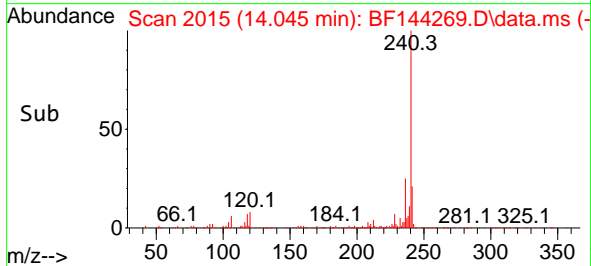


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.045 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: BF144269.D
 Acq: 17 Nov 2025 15:59

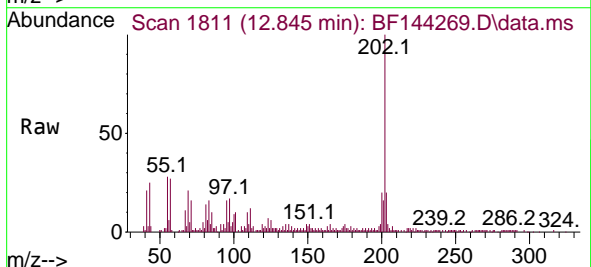
Instrument :
 BNA_F
 ClientSampleId :



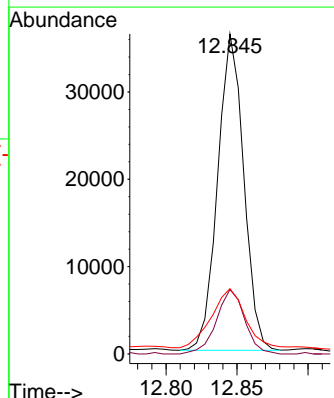
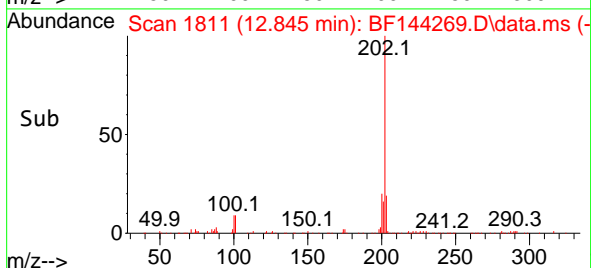
Tgt Ion:240 Resp: 126328
 Ion Ratio Lower Upper
 240 100
 120 7.9 6.6 10.0
 236 25.3 21.4 32.2

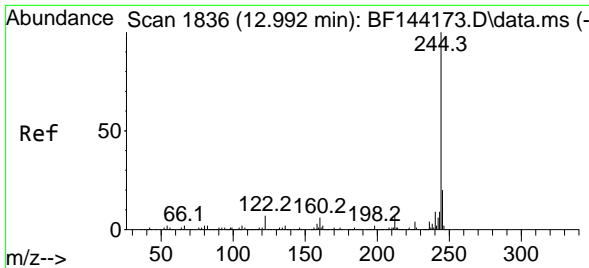


#78
 Pyrene
 Concen: 4.543 ng
 RT: 12.845 min Scan# 1811
 Delta R.T. -0.006 min
 Lab File: BF144269.D
 Acq: 17 Nov 2025 15:59



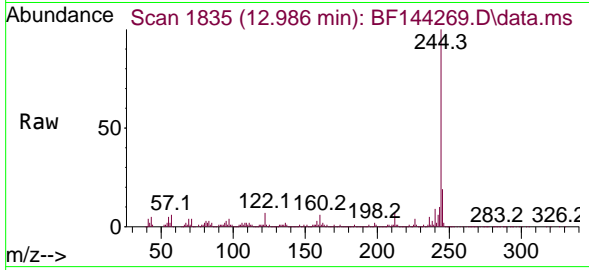
Tgt Ion:202 Resp: 46274
 Ion Ratio Lower Upper
 202 100
 200 20.1 17.2 25.8
 203 20.4 13.7 20.5



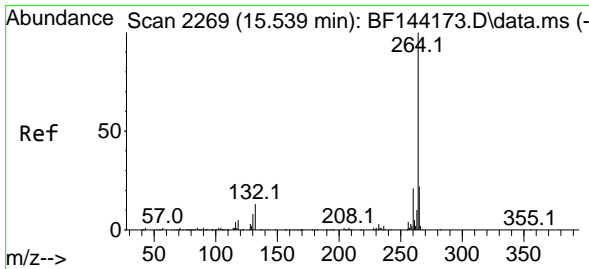
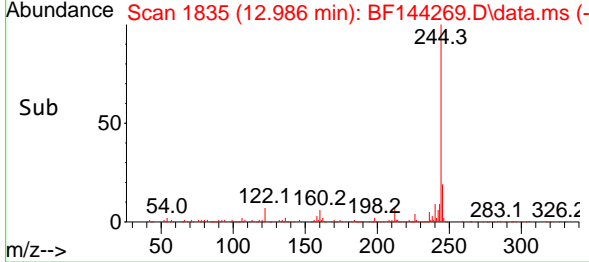
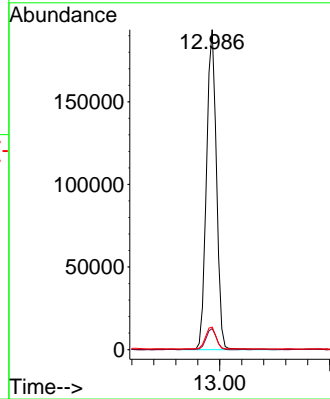


#79
 Terphenyl-d14
 Concen: 30.708 ng
 RT: 12.986 min Scan# 1835
 Delta R.T. -0.006 min
 Lab File: BF144269.D
 Acq: 17 Nov 2025 15:59

Instrument :
 BNA_F
 ClientSampleId :

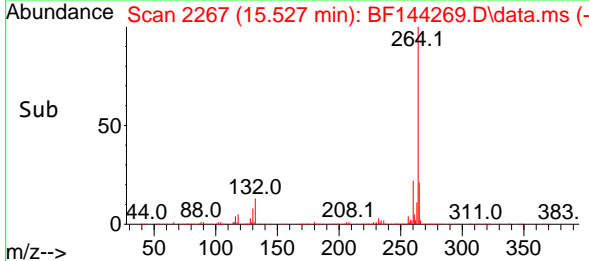
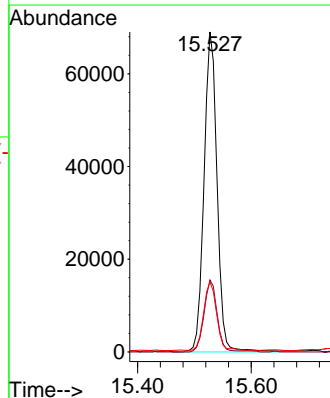
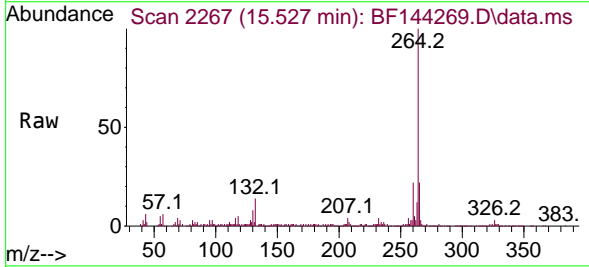


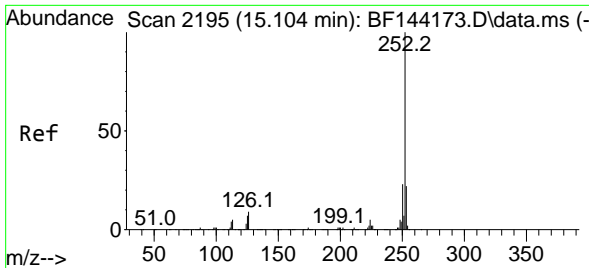
Tgt Ion:244 Resp: 244222
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.3 7.9
 122 7.0 5.6 8.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.527 min Scan# 2267
 Delta R.T. -0.012 min
 Lab File: BF144269.D
 Acq: 17 Nov 2025 15:59

Tgt Ion:264 Resp: 110144
 Ion Ratio Lower Upper
 264 100
 260 22.5 17.1 25.7
 265 21.9 17.4 26.0



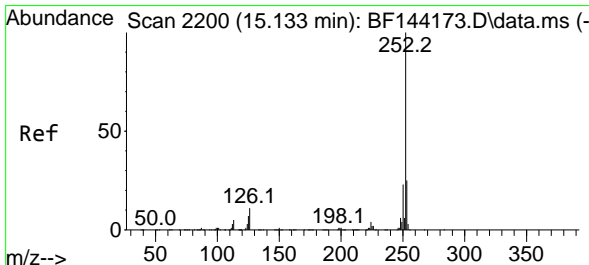
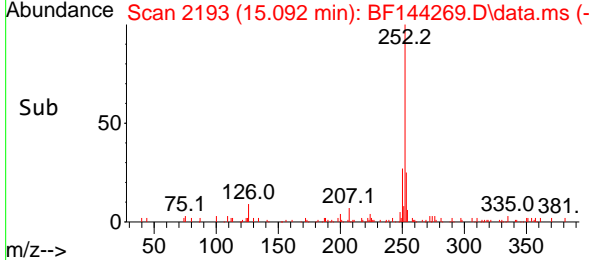
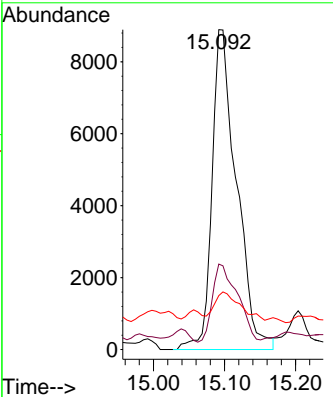
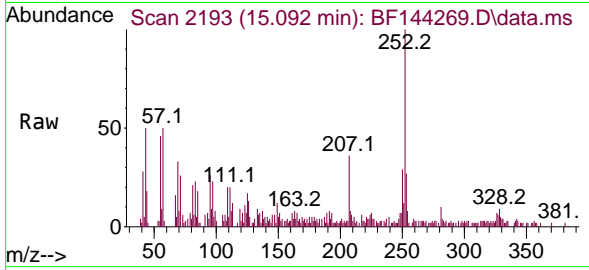


#88
 Benzo(b)fluoranthene
 Concen: 3.405 ng
 RT: 15.092 min Scan# 2193
 Delta R.T. -0.006 min
 Lab File: BF144269.D
 Acq: 17 Nov 2025 15:59

Instrument : BNA_F
 ClientSampleId :

Tgt Ion:252 Resp: 21323

Ion	Ratio	Lower	Upper
252	100		
253	26.7	17.4	26.2#
125	16.9	5.3	7.9#



#89
 Benzo(k)fluoranthene
 Concen: 3.638 ng
 RT: 15.092 min Scan# 2193
 Delta R.T. -0.035 min
 Lab File: BF144269.D
 Acq: 17 Nov 2025 15:59

Tgt Ion:252 Resp: 21323

Ion	Ratio	Lower	Upper
252	100		
253	26.7	18.0	27.0
125	16.9	5.4	8.2#

