

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080425\
 Data File : BF143295.D
 Acq On : 04 Aug 2025 14:40
 Operator : RC/JU
 Sample : Q2753-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 289

Quant Time: Aug 04 19:47:20 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

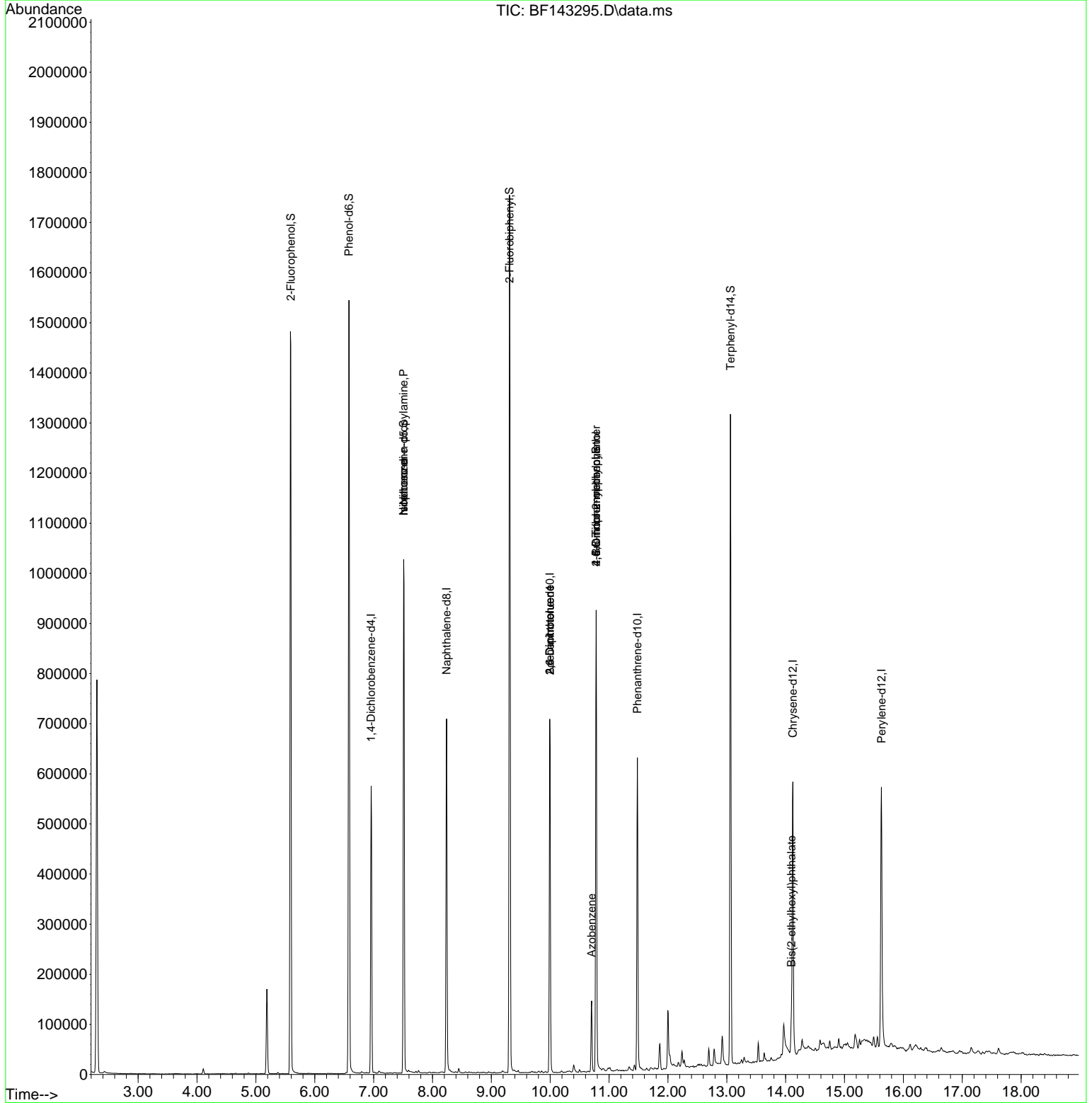
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.957	152	114816	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	427075	20.000	ng	0.00
39) Acenaphthene-d10	9.992	164	206086	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	305714	20.000	ng	0.00
76) Chrysene-d12	14.121	240	254399	20.000	ng	0.00
86) Perylene-d12	15.627	264	299785	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.593	112	548779	75.636	ng	0.00
7) Phenol-d6	6.581	99	695780	76.188	ng	0.00
23) Nitrobenzene-d5	7.510	82	444187	51.844	ng	-0.01
42) 2,4,6-Tribromophenol	10.780	330	157204	73.840	ng	0.00
45) 2-Fluorobiphenyl	9.310	172	764396	50.727	ng	-0.01
79) Terphenyl-d14	13.063	244	608953	35.621	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.510	70	58400	9.967	ng	# 81
25) Isophorone	7.510	82	438842	29.015	ng	# 66
51) 2,6-Dinitrotoluene	9.992	165	26407	9.663	ng	# 23
57) 2,4-Dinitrotoluene	9.992	165	26407	7.702	ng	# 21
63) Azobenzene	10.704	77	36639	2.648	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.780	198	353	5.608	ng	# 1
67) 4-Bromophenyl-phenylether	10.780	248	9315	2.557	ng	# 1
84) Bis(2-ethylhexyl)phtha...	14.098	149	22953	2.281	ng	97

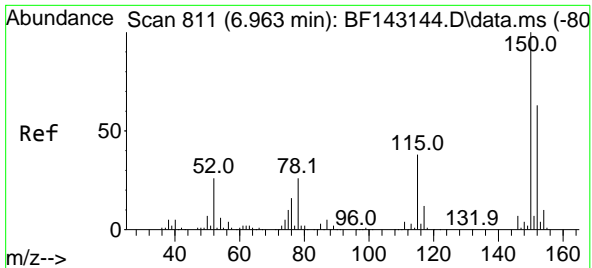
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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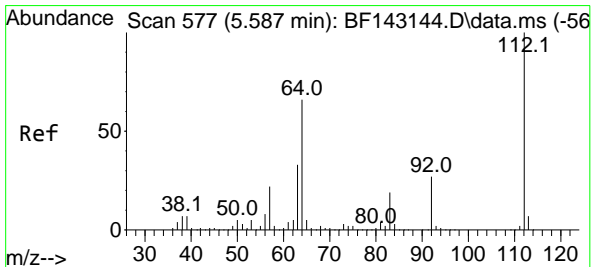
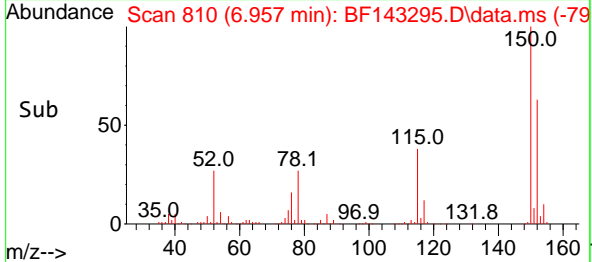
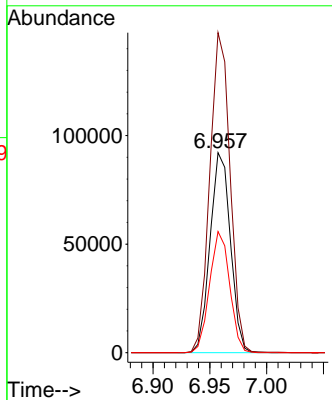
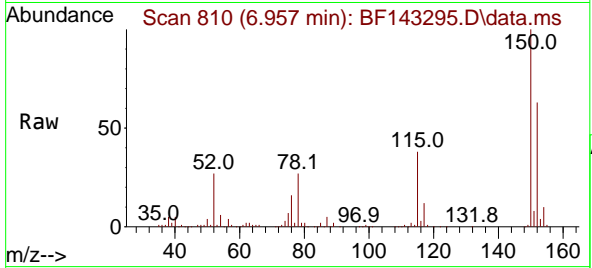




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.957 min Scan# 811
 Delta R.T. -0.006 min
 Lab File: BF143295.D
 Acq: 04 Aug 2025 14:40

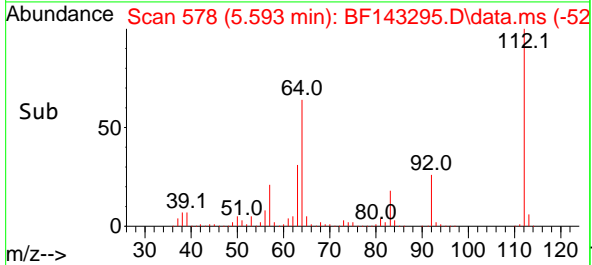
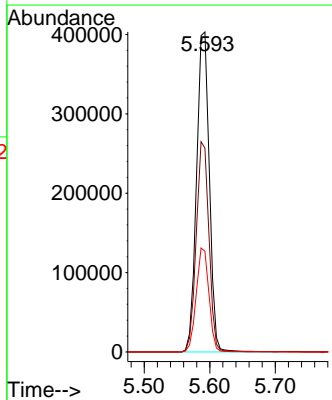
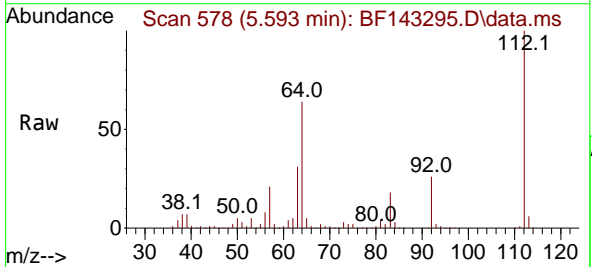
Instrument :
 BNA_F
 ClientSampleId :
 289

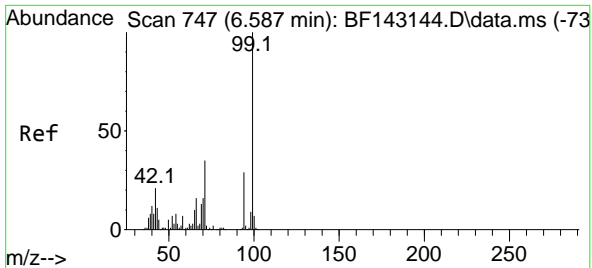
Tgt Ion:152 Resp: 114816
 Ion Ratio Lower Upper
 152 100
 150 160.0 128.2 192.4
 115 60.5 47.9 71.9



#5
 2-Fluorophenol
 Concen: 75.636 ng
 RT: 5.593 min Scan# 578
 Delta R.T. 0.006 min
 Lab File: BF143295.D
 Acq: 04 Aug 2025 14:40

Tgt Ion:112 Resp: 548779
 Ion Ratio Lower Upper
 112 100
 64 63.7 53.1 79.7
 63 31.5 26.6 40.0



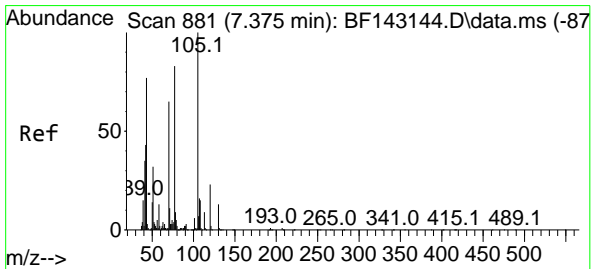
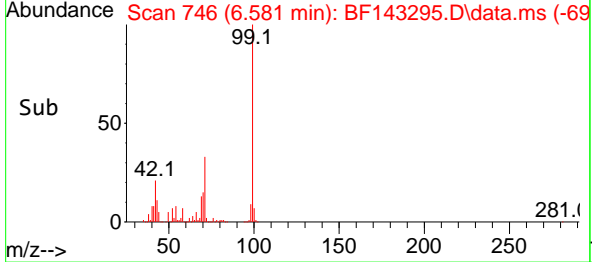
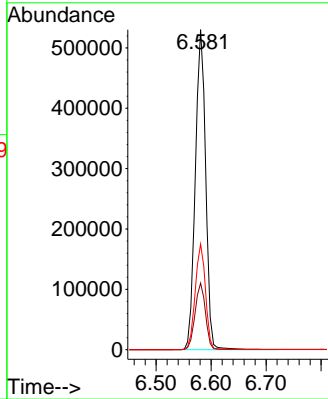
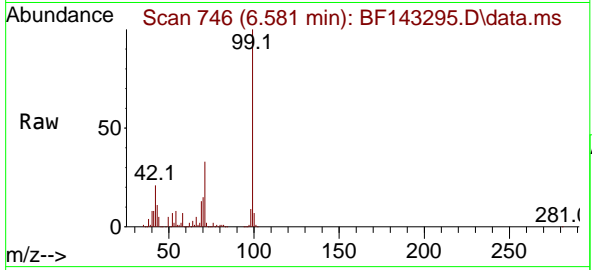


#7
 Phenol-d6
 Concen: 76.188 ng
 RT: 6.581 min Scan# 74
 Delta R.T. -0.006 min
 Lab File: BF143295.D
 Acq: 04 Aug 2025 14:40

Instrument : BNA_F
 ClientSampleId : 289

Tgt Ion: 99 Resp: 695780

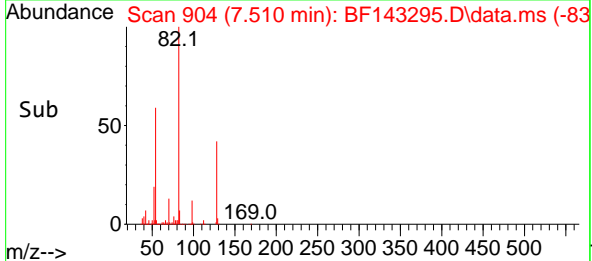
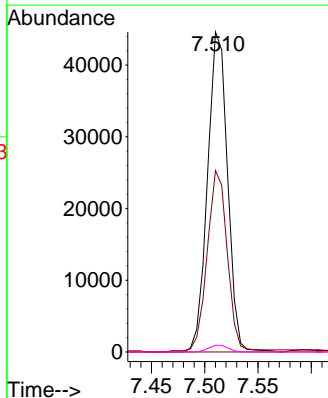
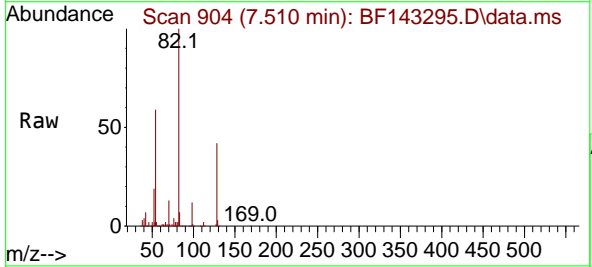
Ion	Ratio	Lower	Upper
99	100		
42	20.8	17.0	25.6
71	33.0	27.7	41.5

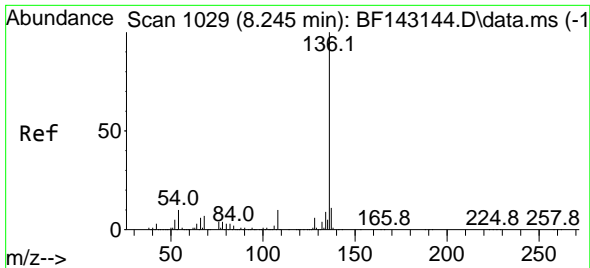


#19
 n-Nitroso-di-n-propylamine
 Concen: 9.967 ng
 RT: 7.510 min Scan# 904
 Delta R.T. 0.135 min
 Lab File: BF143295.D
 Acq: 04 Aug 2025 14:40

Tgt Ion: 70 Resp: 58400

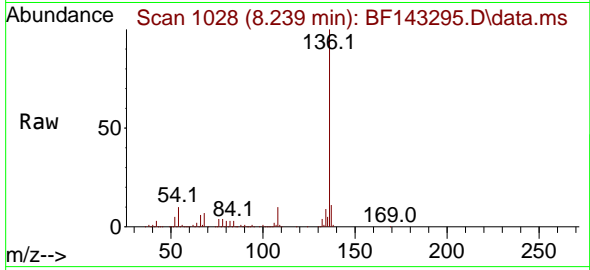
Ion	Ratio	Lower	Upper
70	100		
42	56.7	52.5	78.7
101	0.0	7.6	11.4#
130	2.1	16.1	24.1#



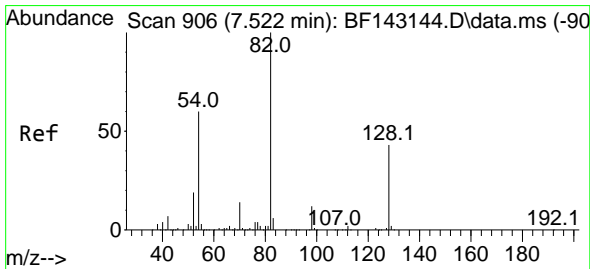
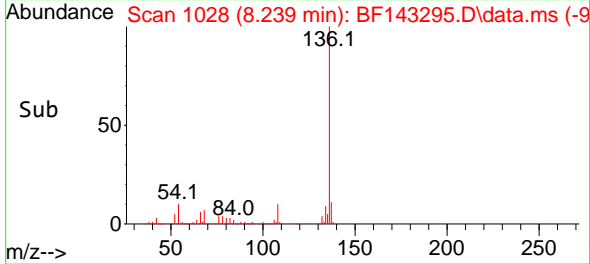
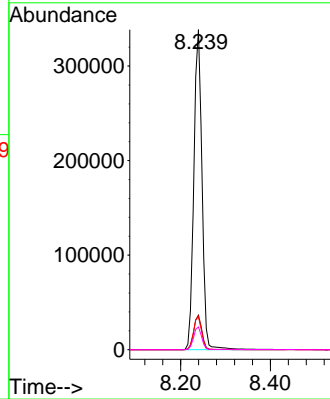


#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 8.239 min Scan# 1029
 Delta R.T. -0.006 min
 Lab File: BF143295.D
 Acq: 04 Aug 2025 14:40

Instrument : BNA_F
 ClientSampleId : 289

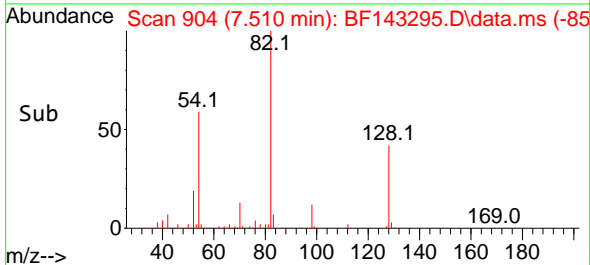
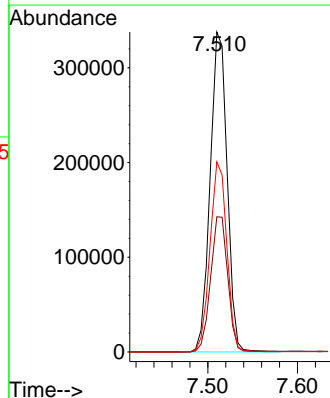
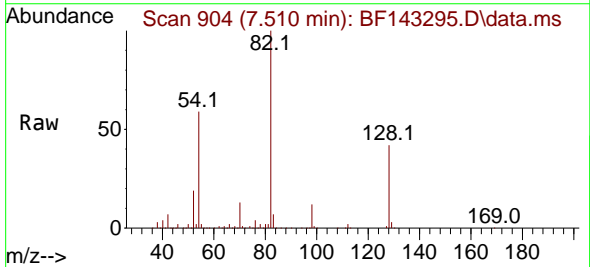


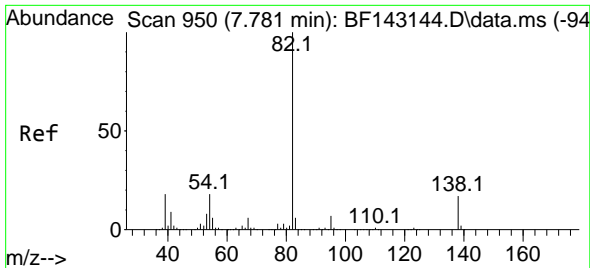
Tgt Ion:136 Resp: 427075
 Ion Ratio Lower Upper
 136 100
 137 10.8 8.6 13.0
 54 10.2 8.2 12.2
 68 7.1 5.4 8.2



#23
 Nitrobenzene-d5
 Concen: 51.844 ng
 RT: 7.510 min Scan# 904
 Delta R.T. -0.012 min
 Lab File: BF143295.D
 Acq: 04 Aug 2025 14:40

Tgt Ion: 82 Resp: 444187
 Ion Ratio Lower Upper
 82 100
 128 42.3 33.6 50.4
 54 59.4 47.1 70.7

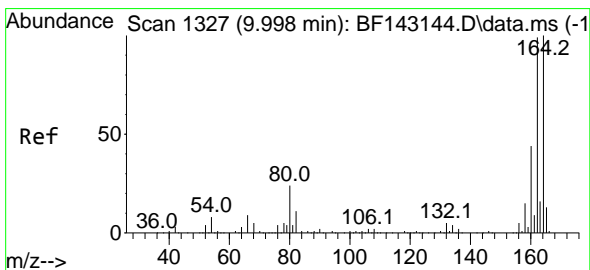
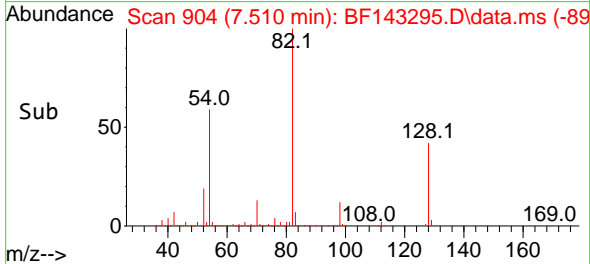
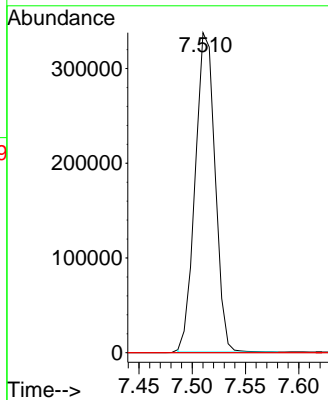
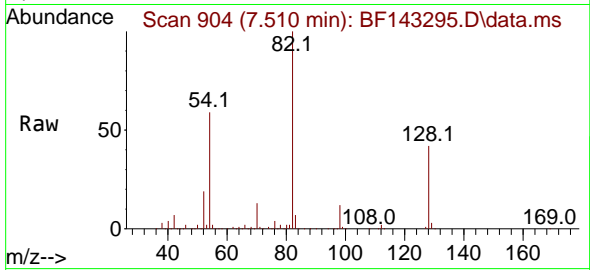




#25
 Isophorone
 Concen: 29.015 ng
 RT: 7.510 min Scan# 90
 Delta R.T. -0.271 min
 Lab File: BF143295.D
 Acq: 04 Aug 2025 14:40

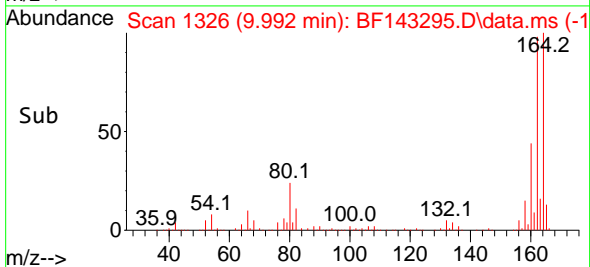
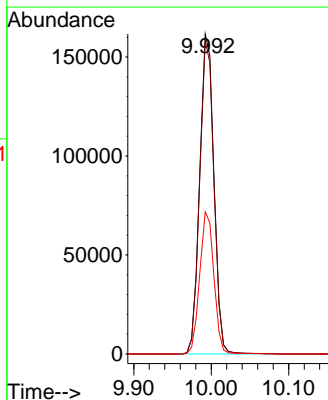
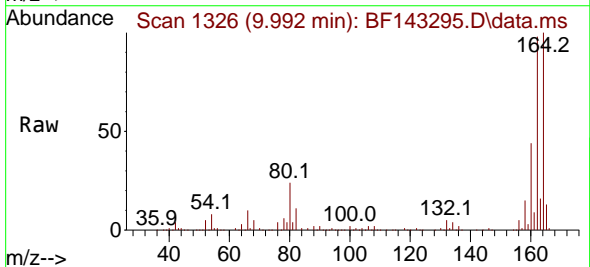
Instrument :
 BNA_F
 ClientSampleId :
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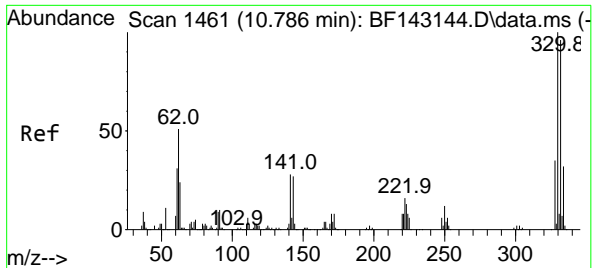
Tgt Ion: 82 Resp: 438842
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.5 8.3#
 138 0.0 13.8 20.8#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.992 min Scan# 1326
 Delta R.T. -0.006 min
 Lab File: BF143295.D
 Acq: 04 Aug 2025 14:40

Tgt Ion: 164 Resp: 206086
 Ion Ratio Lower Upper
 164 100
 162 97.9 79.0 118.6
 160 44.4 35.1 52.7



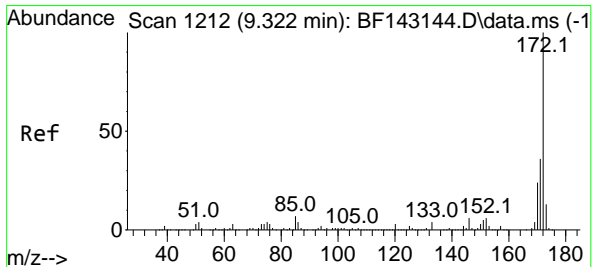
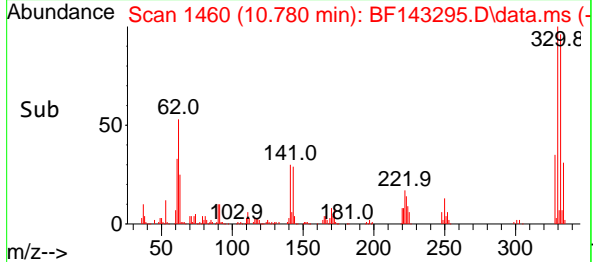
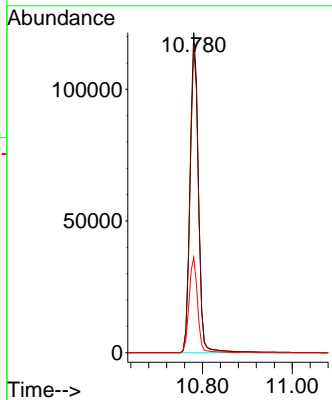
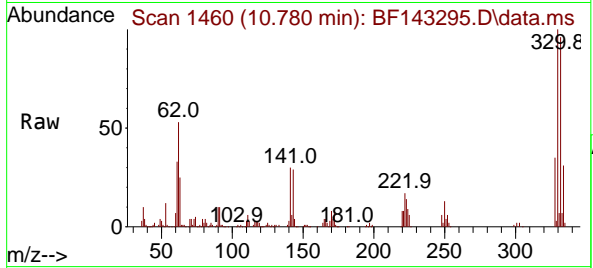


#42
 2,4,6-Tribromophenol
 Concen: 73.840 ng
 RT: 10.780 min Scan# 14
 Delta R.T. -0.006 min
 Lab File: BF143295.D
 Acq: 04 Aug 2025 14:40

Instrument :
 BNA_F
 ClientSampleId :
 289

Tgt Ion:330 Resp: 157204

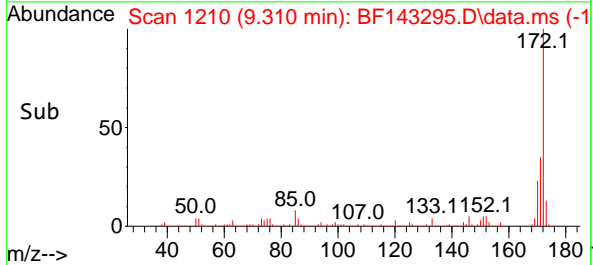
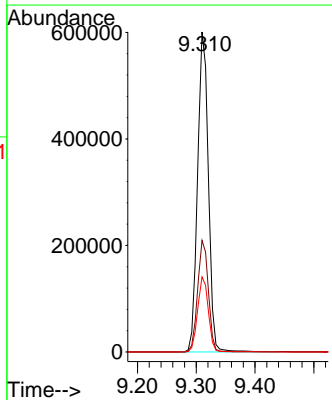
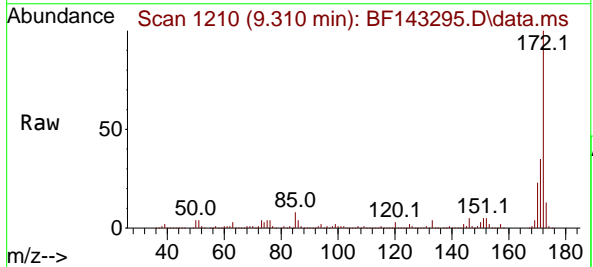
Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.7	115.1
141	30.0	23.3	34.9

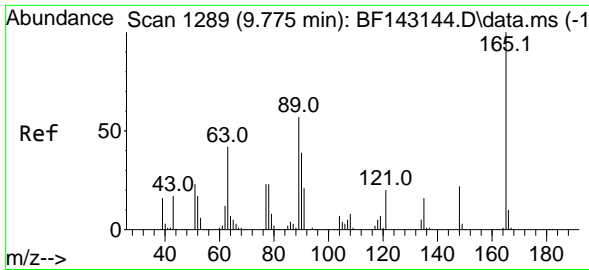


#45
 2-Fluorobiphenyl
 Concen: 50.727 ng
 RT: 9.310 min Scan# 1210
 Delta R.T. -0.012 min
 Lab File: BF143295.D
 Acq: 04 Aug 2025 14:40

Tgt Ion:172 Resp: 764396

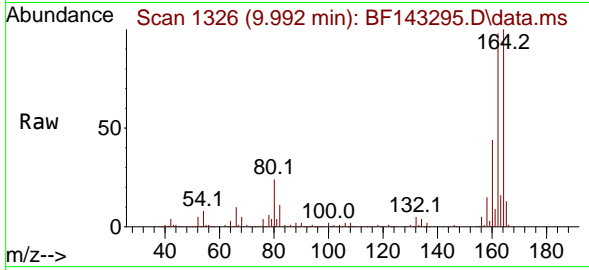
Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.6	42.8
170	23.5	18.8	28.2



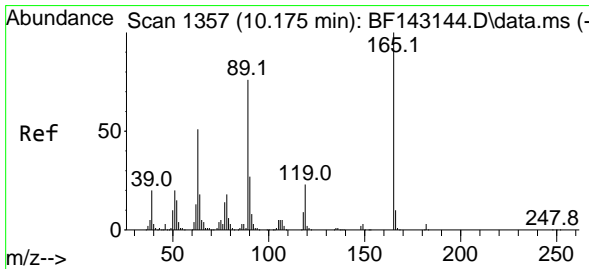
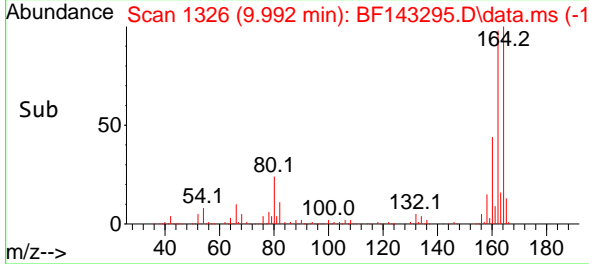
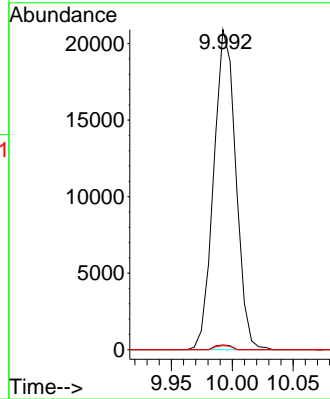


#51
 2,6-Dinitrotoluene
 Concen: 9.663 ng
 RT: 9.992 min Scan# 1326
 Delta R.T. 0.218 min
 Lab File: BF143295.D
 Acq: 04 Aug 2025 14:40

Instrument : BNA_F
 ClientSampleId : 289

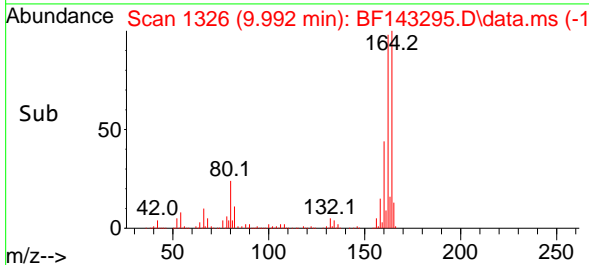
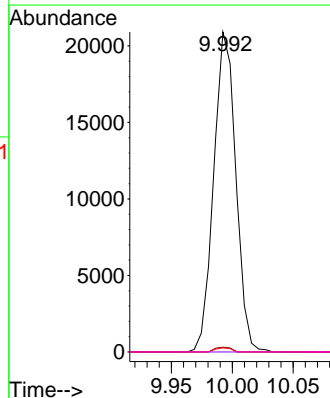
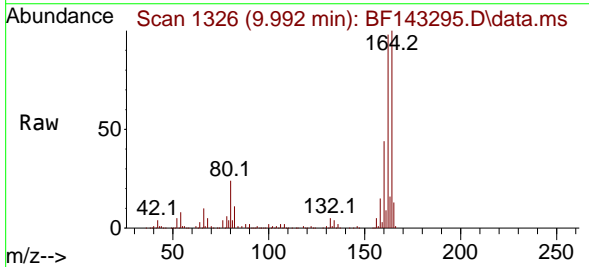


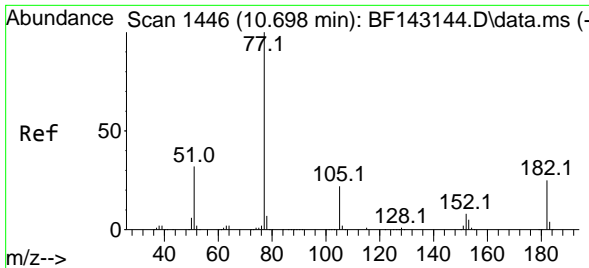
Tgt Ion:165 Resp: 26407
 Ion Ratio Lower Upper
 165 100
 63 1.5 49.4 74.2#
 89 1.2 46.2 69.2#



#57
 2,4-Dinitrotoluene
 Concen: 7.702 ng
 RT: 9.992 min Scan# 1326
 Delta R.T. -0.182 min
 Lab File: BF143295.D
 Acq: 04 Aug 2025 14:40

Tgt Ion:165 Resp: 26407
 Ion Ratio Lower Upper
 165 100
 63 1.5 41.0 61.4#
 89 1.2 61.1 91.7#
 182 0.0 2.3 3.5#



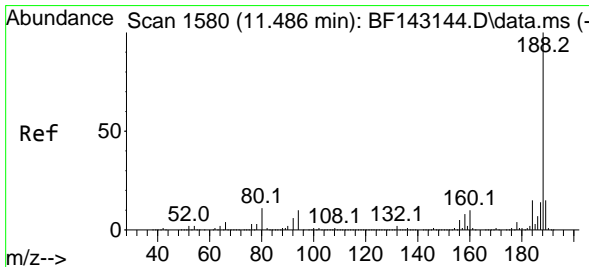
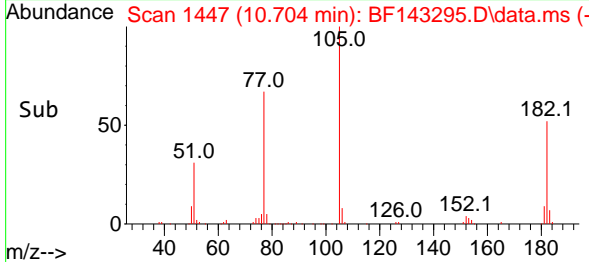
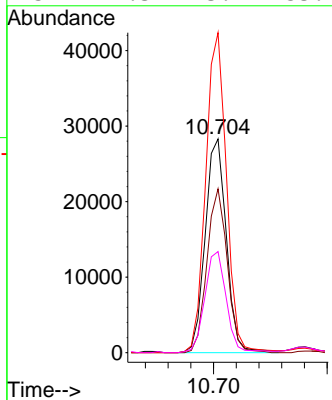
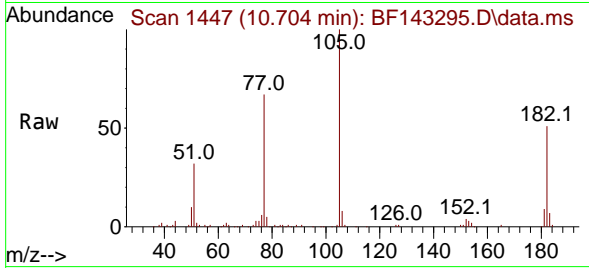


#63
 Azobenzene
 Concen: 2.648 ng
 RT: 10.704 min Scan# 14
 Delta R.T. 0.006 min
 Lab File: BF143295.D
 Acq: 04 Aug 2025 14:40

Instrument :
 BNA_F
 ClientSampleId :
 289

Tgt Ion: 77 Resp: 36639

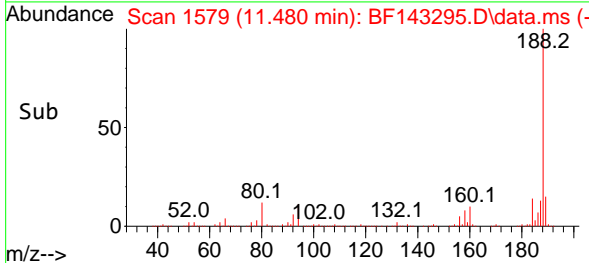
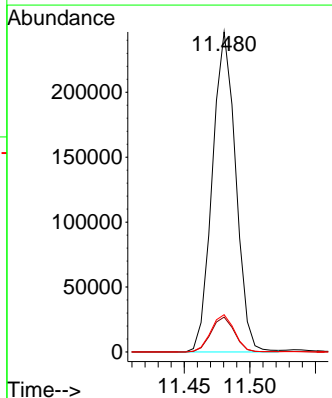
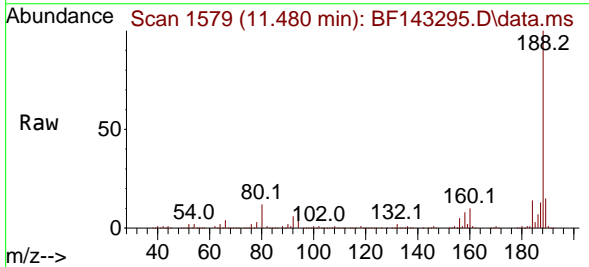
Ion	Ratio	Lower	Upper
77	100		
182	76.7	4.6	44.6#
105	149.7	1.4	41.4#
51	47.3	13.7	53.7

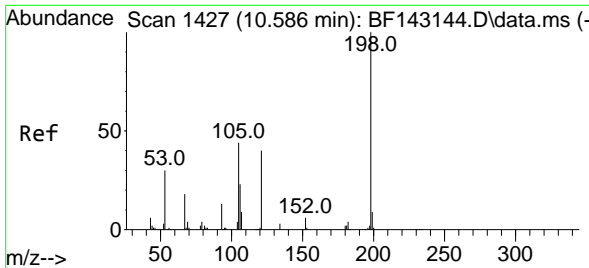


#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.480 min Scan# 1579
 Delta R.T. -0.006 min
 Lab File: BF143295.D
 Acq: 04 Aug 2025 14:40

Tgt Ion: 188 Resp: 305714

Ion	Ratio	Lower	Upper
188	100		
94	10.9	8.3	12.5
80	11.6	9.0	13.6



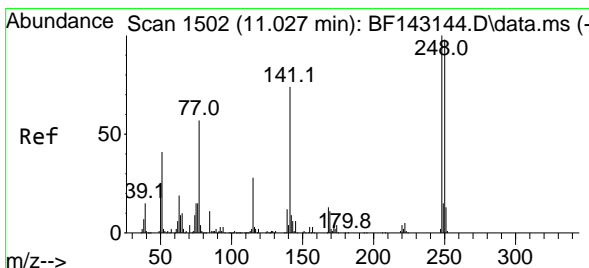
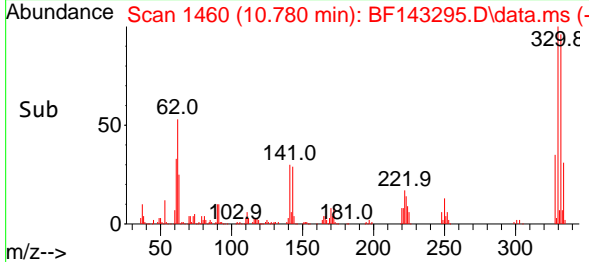
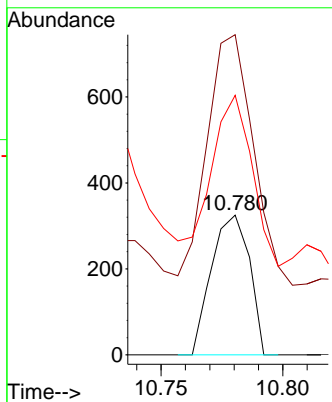
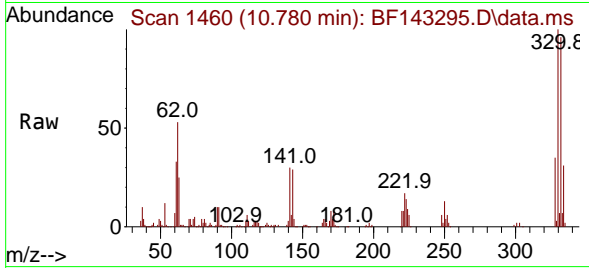


#65
 4,6-Dinitro-2-methylphenol
 Concen: 5.608 ng
 RT: 10.780 min Scan# 1460
 Delta R.T. 0.194 min
 Lab File: BF143295.D
 Acq: 04 Aug 2025 14:40

Instrument : BNA_F
 ClientSampleId : 289

Tgt Ion:198 Resp: 353

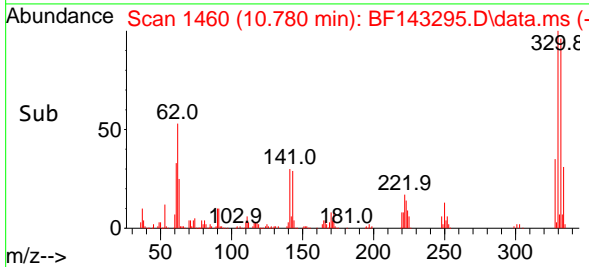
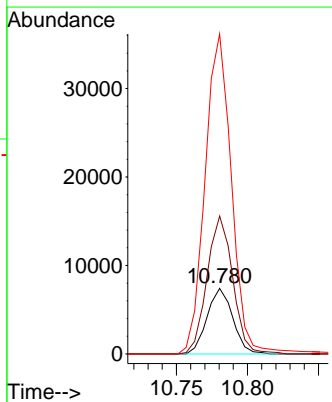
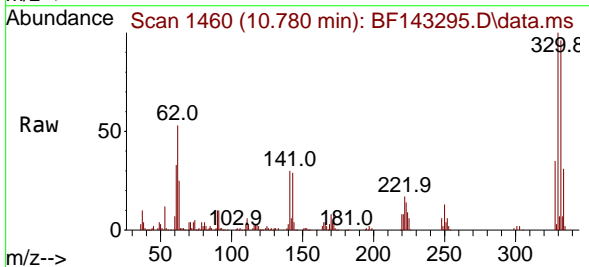
Ion	Ratio	Lower	Upper
198	100		
51	229.2	37.2	77.2#
105	185.8	24.8	64.8#

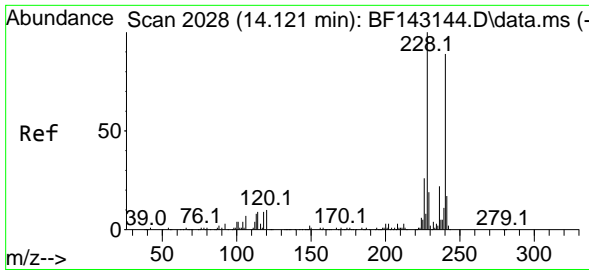


#67
 4-Bromophenyl-phenylether
 Concen: 2.557 ng
 RT: 10.780 min Scan# 1460
 Delta R.T. -0.247 min
 Lab File: BF143295.D
 Acq: 04 Aug 2025 14:40

Tgt Ion:248 Resp: 9315

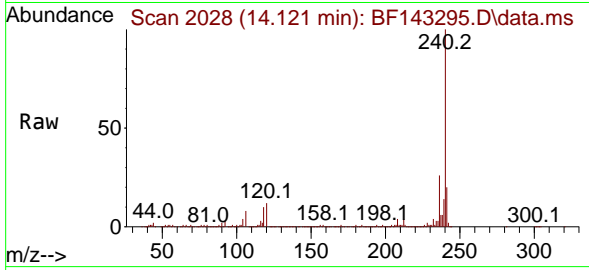
Ion	Ratio	Lower	Upper
248	100		
250	210.1	78.3	117.5#
141	487.6	59.2	88.8#



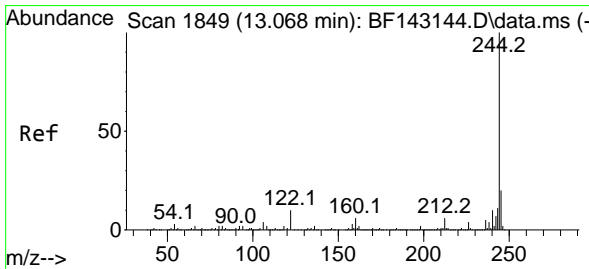
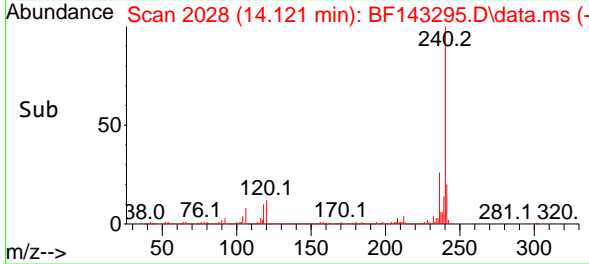
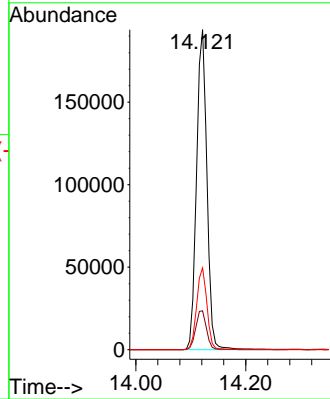


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.121 min Scan# 2028
 Delta R.T. 0.000 min
 Lab File: BF143295.D
 Acq: 04 Aug 2025 14:40

Instrument :
 BNA_F
 ClientSampleId :
 289

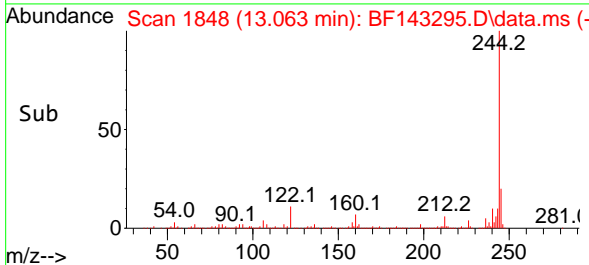
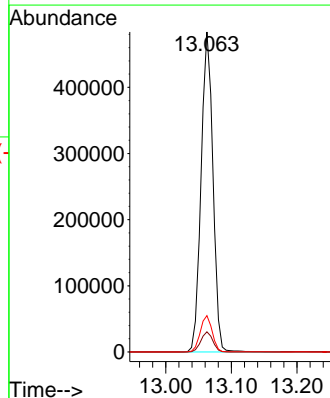
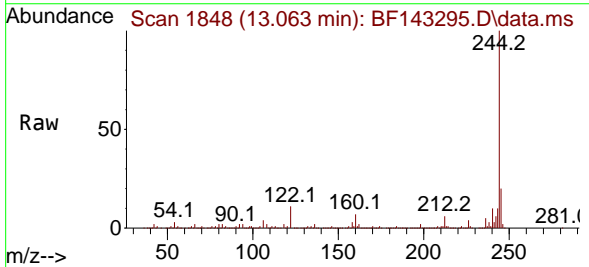


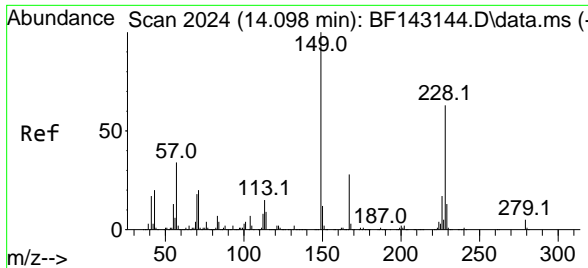
Tgt Ion:240 Resp: 254399
 Ion Ratio Lower Upper
 240 100
 120 12.2 9.4 14.2
 236 25.6 20.2 30.4



#79
 Terphenyl-d14
 Concen: 35.621 ng
 RT: 13.063 min Scan# 1848
 Delta R.T. -0.006 min
 Lab File: BF143295.D
 Acq: 04 Aug 2025 14:40

Tgt Ion:244 Resp: 608953
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.2 7.8
 122 11.4 8.2 12.2

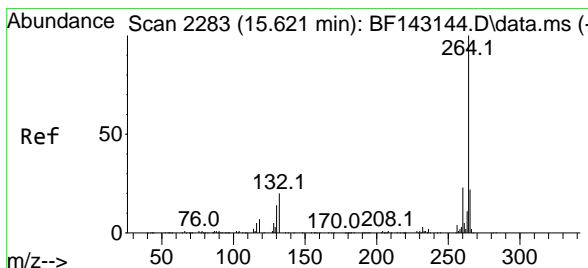
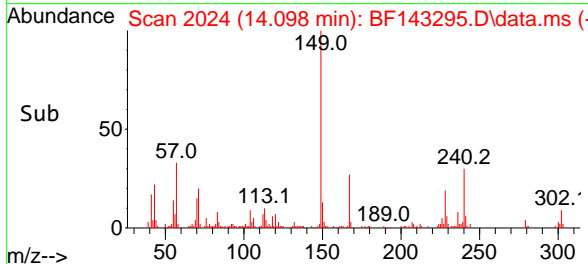
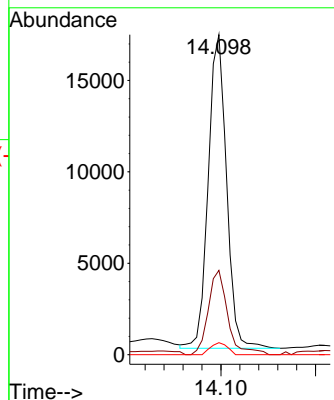
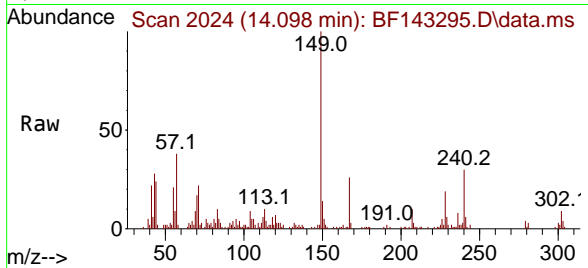




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.281 ng
 RT: 14.098 min Scan# 2024
 Delta R.T. 0.000 min
 Lab File: BF143295.D
 Acq: 04 Aug 2025 14:40

Instrument : BNA_F
 ClientSampleId : 289

Tgt Ion	Resp	Lower	Upper
149	100		
167	26.4	22.3	33.5
279	3.8	3.6	5.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.627 min Scan# 2284
 Delta R.T. 0.006 min
 Lab File: BF143295.D
 Acq: 04 Aug 2025 14:40

Tgt Ion	Resp	Lower	Upper
264	100		
260	23.4	18.5	27.7
265	21.0	17.4	26.2

