

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100825\
 Data File : BF143899.D
 Acq On : 08 Oct 2025 17:07
 Operator : RC/JU
 Sample : Q3266-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ENV-4-6FT

Quant Time: Oct 08 17:28:18 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 06 15:29:47 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

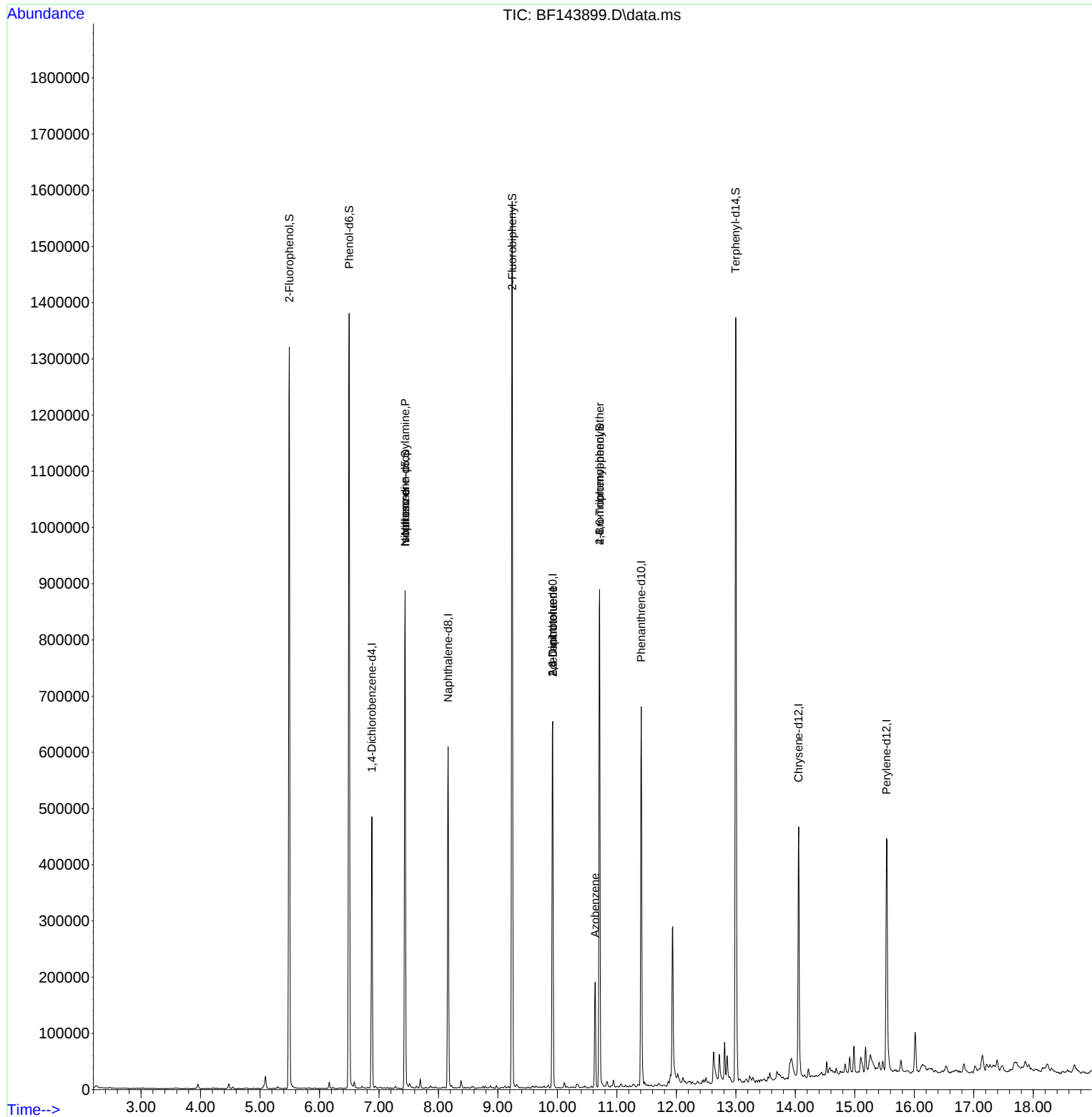
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	95054	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	368458	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	204631	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	351450	20.000	ng	0.00
76) Chrysene-d12	14.057	240	205903	20.000	ng	-0.01
86) Perylene-d12	15.533	264	263892	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	498414	83.266	ng	0.00
7) Phenol-d6	6.498	99	602460	84.439	ng	-0.02
23) Nitrobenzene-d5	7.440	82	366542	60.439	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	160278	78.638	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	727899	56.442	ng	-0.01
79) Terphenyl-d14	12.998	244	684348	56.804	ng	-0.01
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	7.440	70	52815	10.814	ng	# 75
25) Isophorone	7.440	82	293130	22.923	ng	# 68
51) 2,6-Dinitrotoluene	9.922	165	26548	11.017	ng	# 25
57) 2,4-Dinitrotoluene	9.922	165	26548	8.097	ng	# 26
63) Azobenzene	10.634	77	45665	3.619	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	10087	2.597	ng	# 1

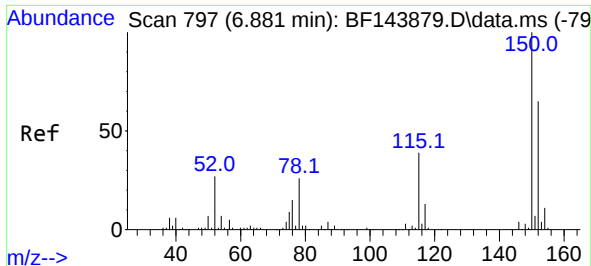
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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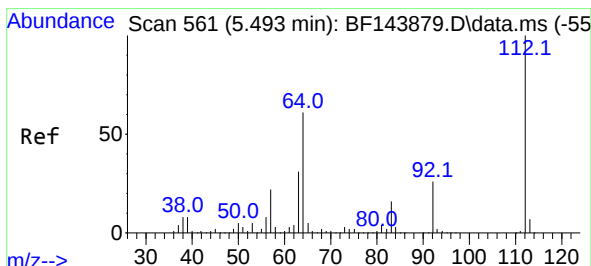
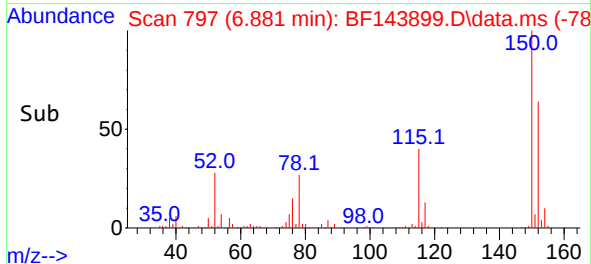
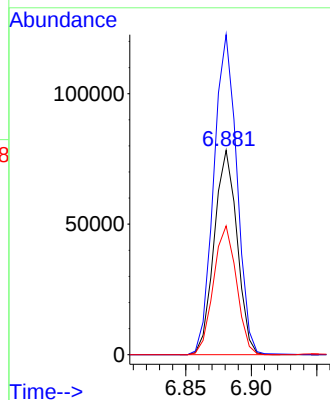
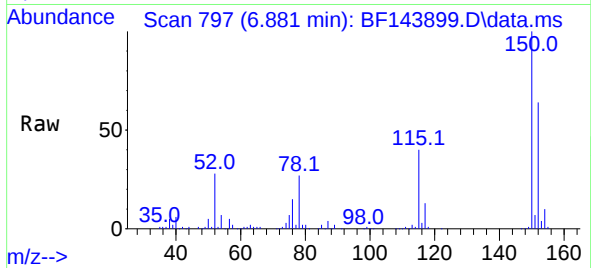




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 797
Delta R.T. -0.005 min
Lab File: BF143899.D
Acq: 08 Oct 2025 17:07

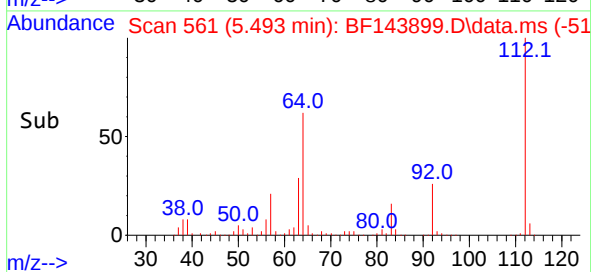
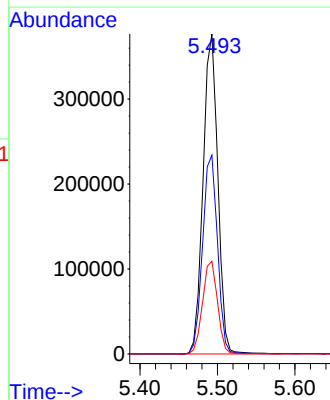
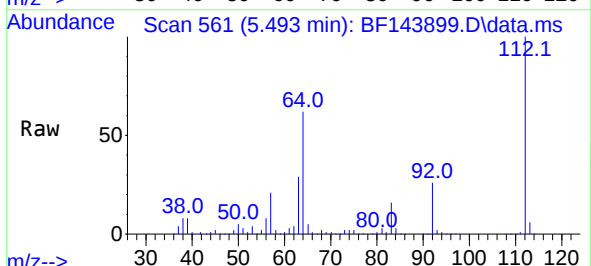
Instrument :
BNA_F
ClientSampleId :
ENV-4-6FT

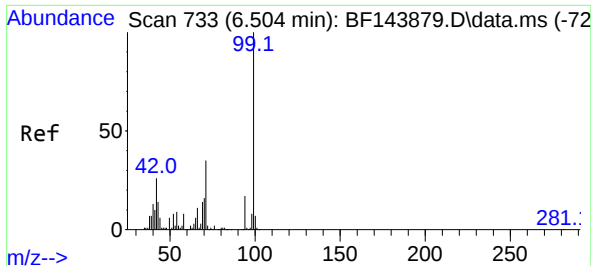
Tgt Ion:152 Resp: 95054
Ion Ratio Lower Upper
152 100
150 156.6 124.4 186.6
115 63.0 48.1 72.1



#5
2-Fluorophenol
Concen: 83.266 ng
RT: 5.493 min Scan# 561
Delta R.T. -0.006 min
Lab File: BF143899.D
Acq: 08 Oct 2025 17:07

Tgt Ion:112 Resp: 498414
Ion Ratio Lower Upper
112 100
64 62.1 49.1 73.7
63 29.0 24.5 36.7

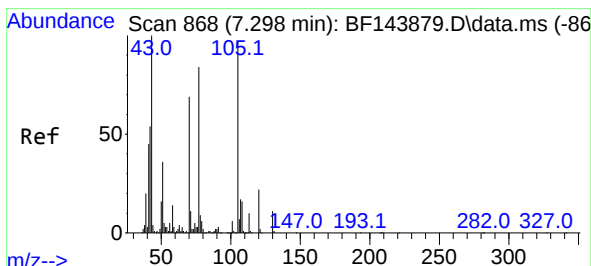
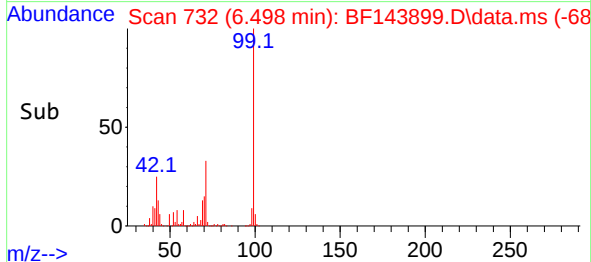
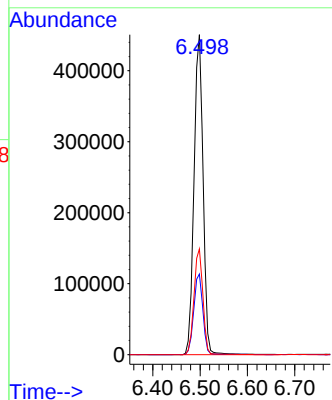
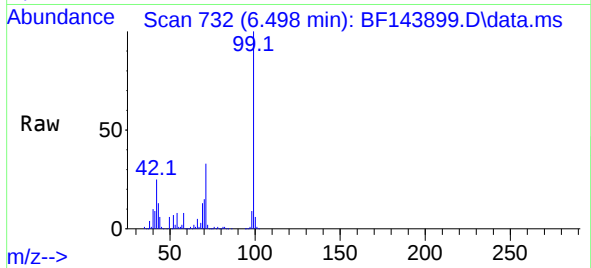




#7
Phenol-d6
Concen: 84.439 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF143899.D
Acq: 08 Oct 2025 17:07

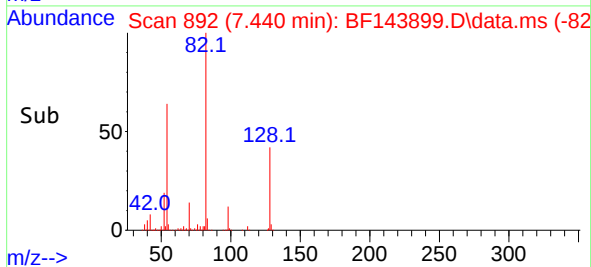
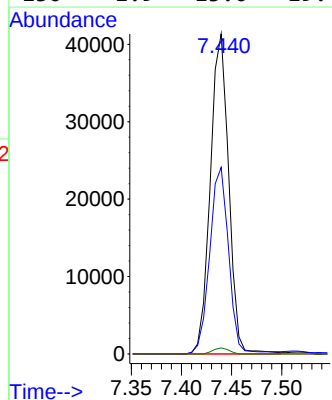
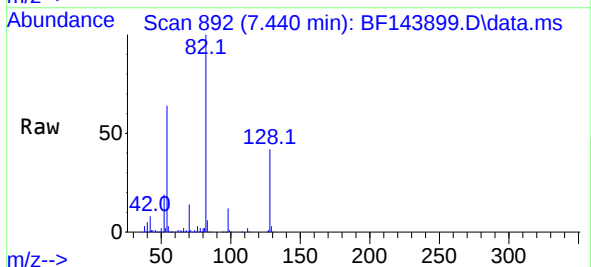
Instrument :
BNA_F
ClientSampleId :
ENV-4-6FT

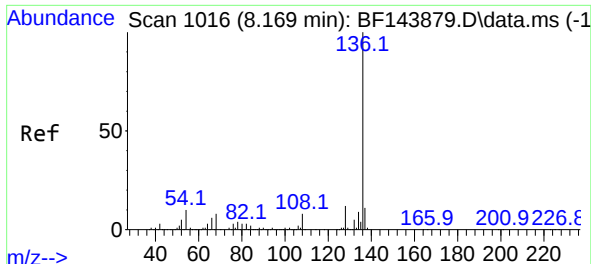
Tgt Ion: 99 Resp: 602460
Ion Ratio Lower Upper
99 100
42 25.2 21.0 31.4
71 33.0 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 10.814 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.124 min
Lab File: BF143899.D
Acq: 08 Oct 2025 17:07

Tgt Ion: 70 Resp: 52815
Ion Ratio Lower Upper
70 100
42 58.3 62.8 94.2#
101 0.0 6.7 10.1#
130 1.9 13.0 19.4#



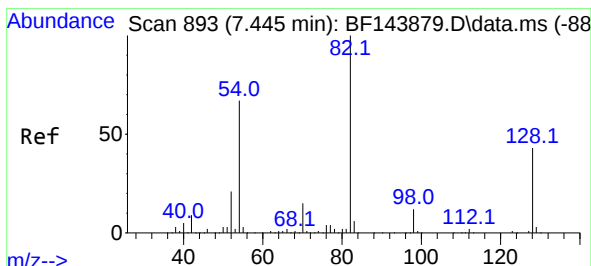
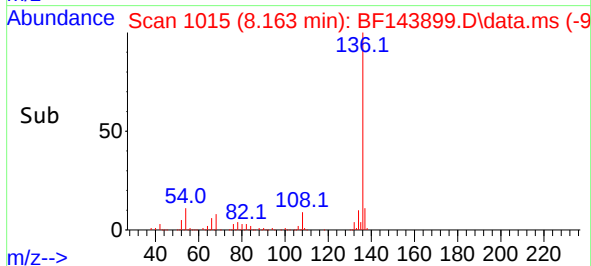
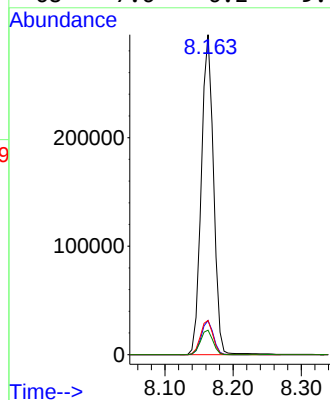
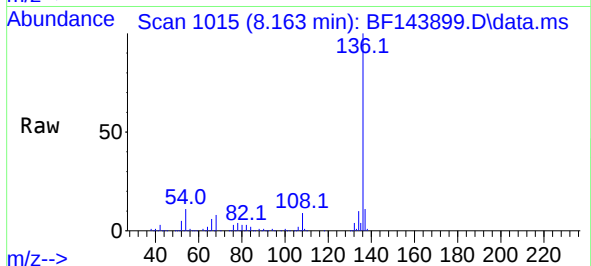


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF143899.D
Acq: 08 Oct 2025 17:07

Instrument :
BNA_F
ClientSampleId :
ENV-4-6FT

Tgt Ion:136 Resp: 368458

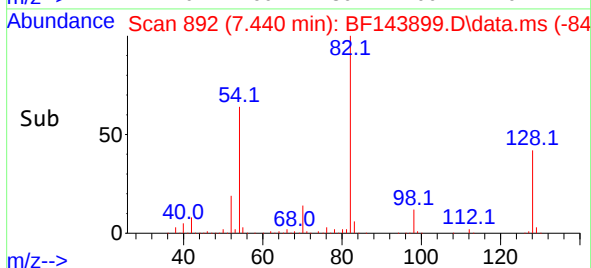
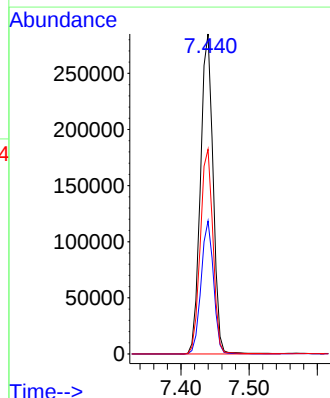
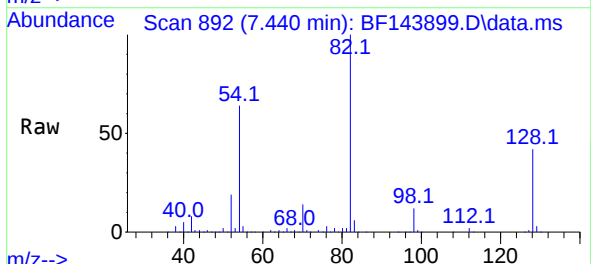
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.5	12.7
54	10.7	8.2	12.4
68	7.6	6.2	9.4

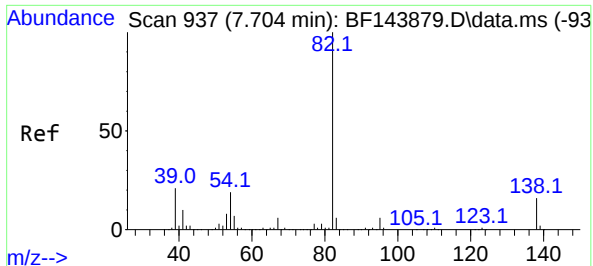


#23
Nitrobenzene-d5
Concen: 60.439 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.017 min
Lab File: BF143899.D
Acq: 08 Oct 2025 17:07

Tgt Ion: 82 Resp: 366542

Ion	Ratio	Lower	Upper
82	100		
128	41.5	34.0	51.0
54	63.9	53.2	79.8

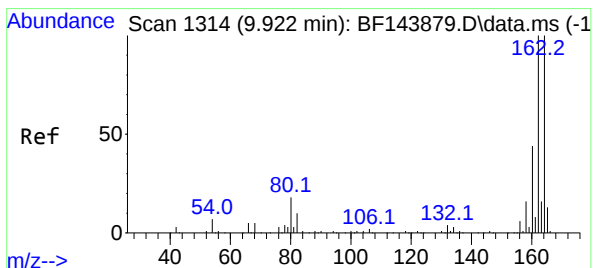
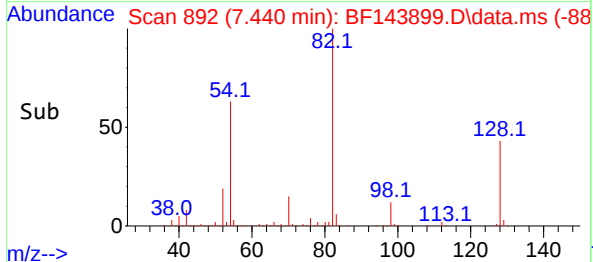
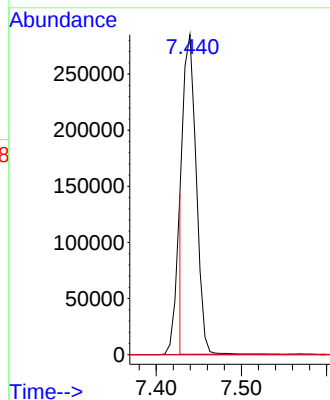
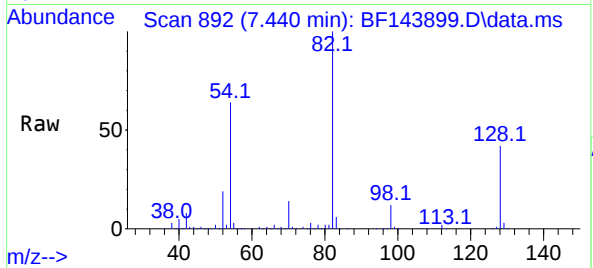




#25
Isophorone
Concen: 22.923 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.282 min
Lab File: BF143899.D
Acq: 08 Oct 2025 17:07

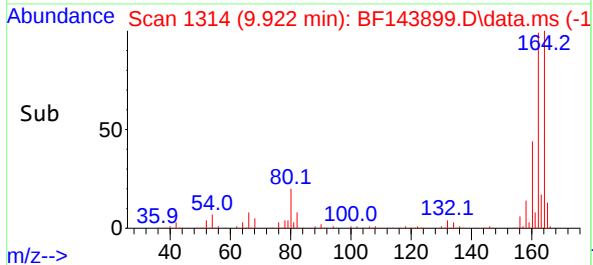
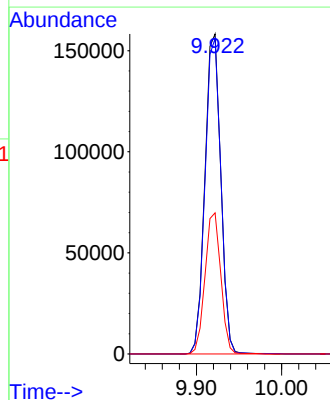
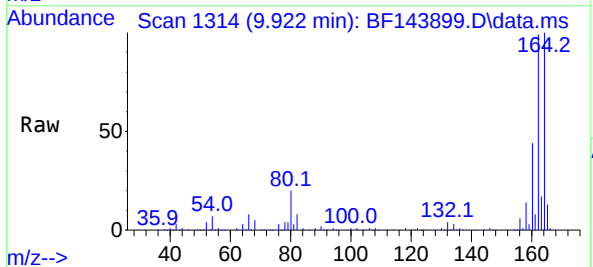
Instrument :
BNA_F
ClientSampleId :
ENV-4-6FT

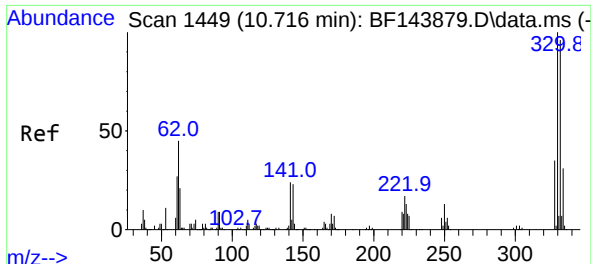
Tgt Ion: 82 Resp: 293130
Ion Ratio Lower Upper
82 100
95 0.0 5.1 7.7#
138 0.0 12.9 19.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF143899.D
Acq: 08 Oct 2025 17:07

Tgt Ion:164 Resp: 204631
Ion Ratio Lower Upper
164 100
162 98.6 80.2 120.2
160 44.1 35.4 53.0

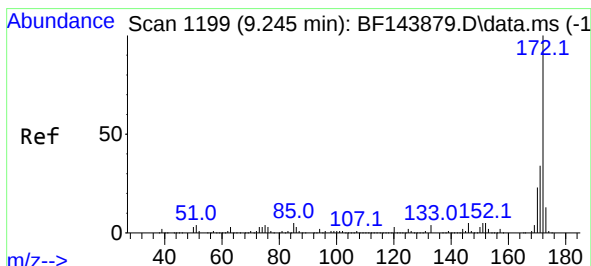
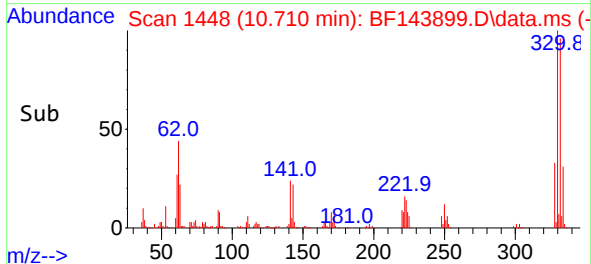
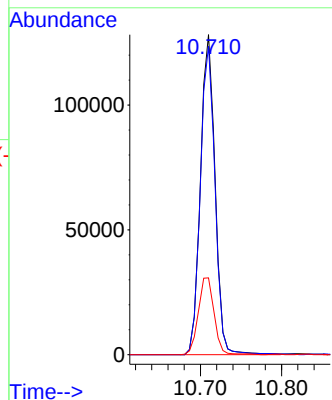
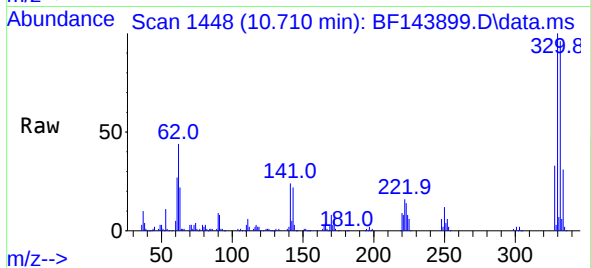




#42
2,4,6-Tribromophenol
Concen: 78.638 ng
RT: 10.710 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF143899.D
Acq: 08 Oct 2025 17:07

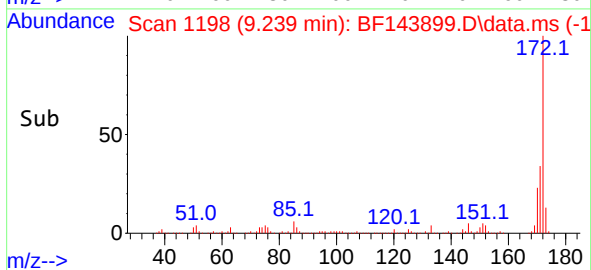
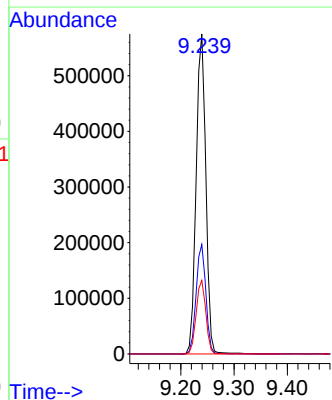
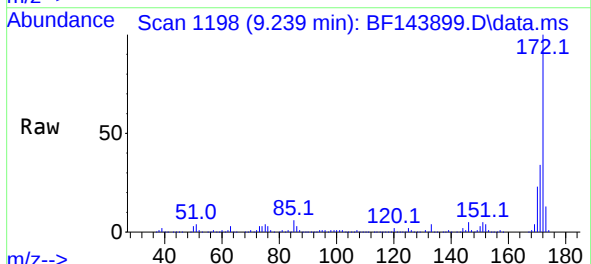
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ClientSampleId :
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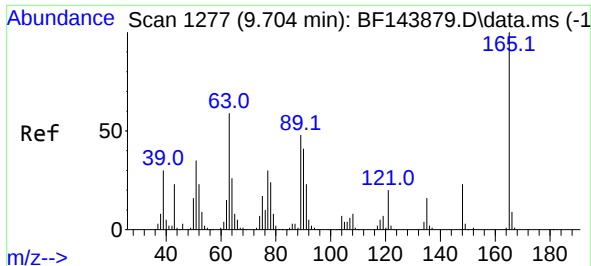
Tgt Ion:330 Resp: 160278
Ion Ratio Lower Upper
330 100
332 97.3 76.9 115.3
141 26.1 20.2 30.4



#45
2-Fluorobiphenyl
Concen: 56.442 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF143899.D
Acq: 08 Oct 2025 17:07

Tgt Ion:172 Resp: 727899
Ion Ratio Lower Upper
172 100
171 34.2 27.4 41.0
170 23.0 18.6 28.0

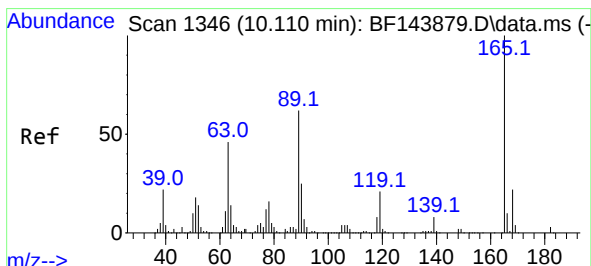
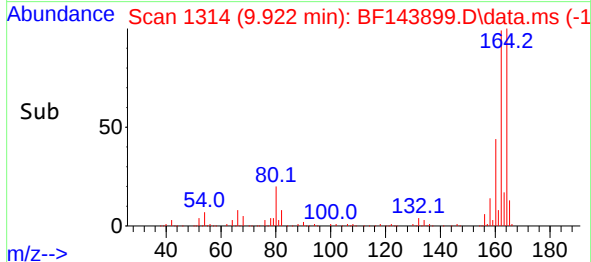
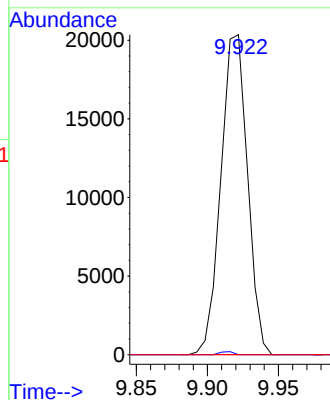
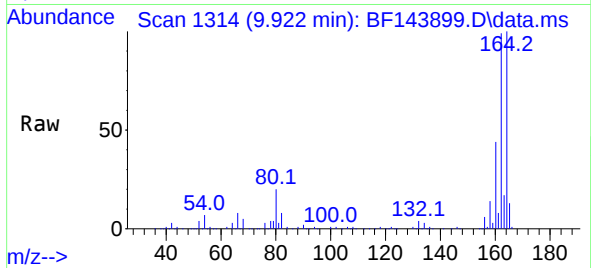




#51
2,6-Dinitrotoluene
Concen: 11.017 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF143899.D
Acq: 08 Oct 2025 17:07

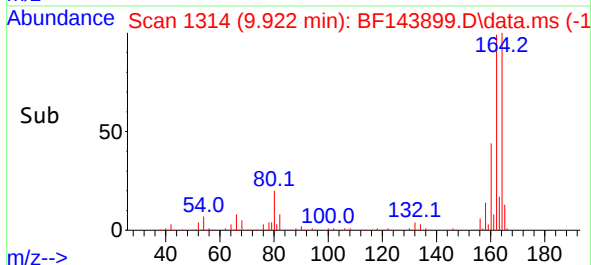
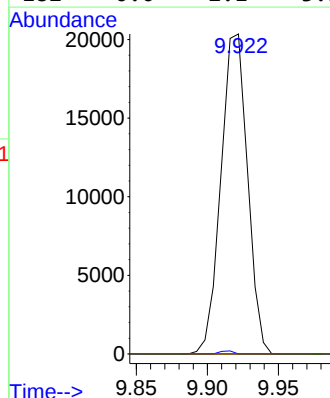
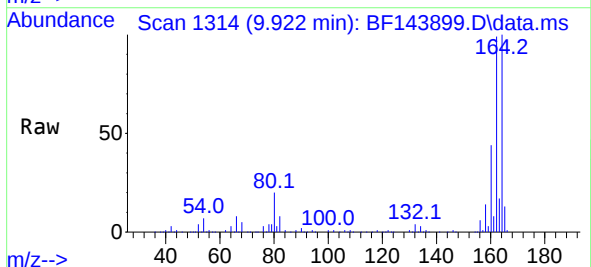
Instrument :
BNA_F
ClientSampleId :
ENV-4-6FT

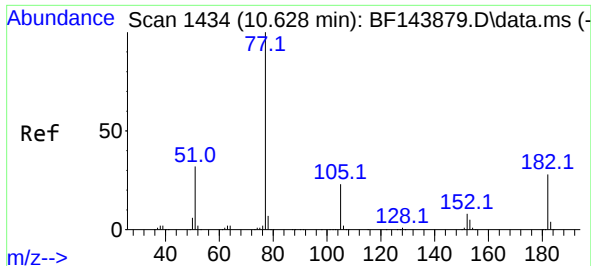
Tgt Ion:165 Resp: 26548
Ion Ratio Lower Upper
165 100
63 0.0 47.3 70.9#
89 0.0 38.2 57.4#



#57
2,4-Dinitrotoluene
Concen: 8.097 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.194 min
Lab File: BF143899.D
Acq: 08 Oct 2025 17:07

Tgt Ion:165 Resp: 26548
Ion Ratio Lower Upper
165 100
63 0.0 37.2 55.8#
89 0.0 49.4 74.2#
182 0.0 2.1 3.1#

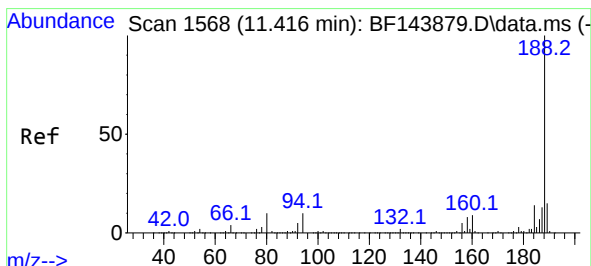
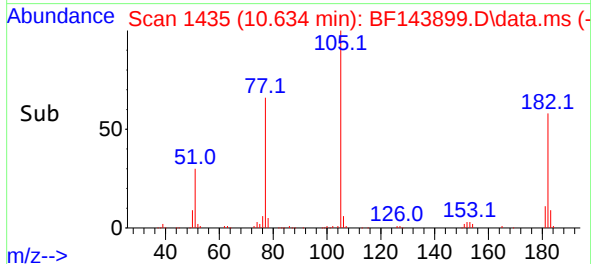
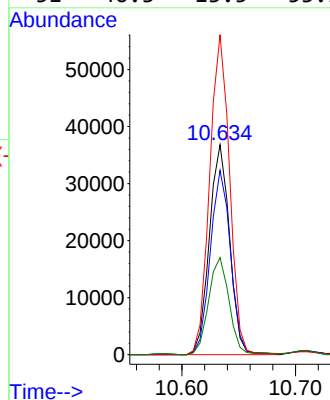
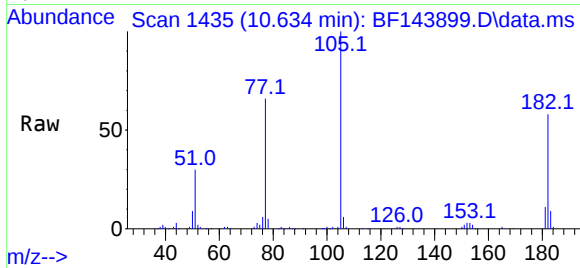




#63
Azobenzene
Concen: 3.619 ng
RT: 10.634 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143899.D
Acq: 08 Oct 2025 17:07

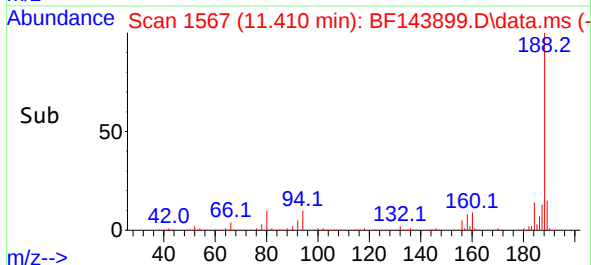
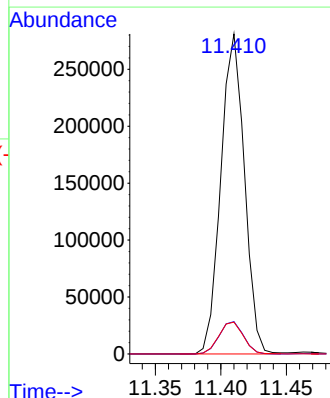
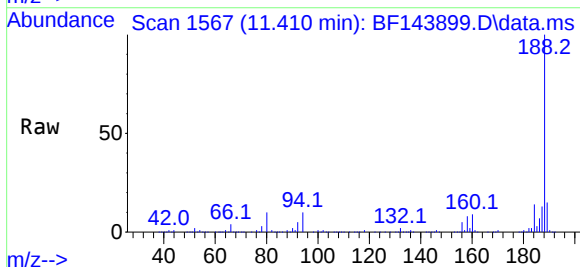
Instrument :
BNA_F
ClientSampleId :
ENV-4-6FT

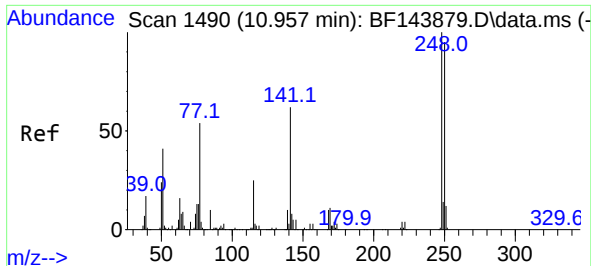
Tgt Ion: 77 Resp: 45665
Ion Ratio Lower Upper
77 100
182 87.8 7.3 47.3#
105 152.4 3.0 43.0#
51 46.3 13.5 53.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF143899.D
Acq: 08 Oct 2025 17:07

Tgt Ion: 188 Resp: 351450
Ion Ratio Lower Upper
188 100
94 10.1 7.8 11.6
80 10.0 7.9 11.9

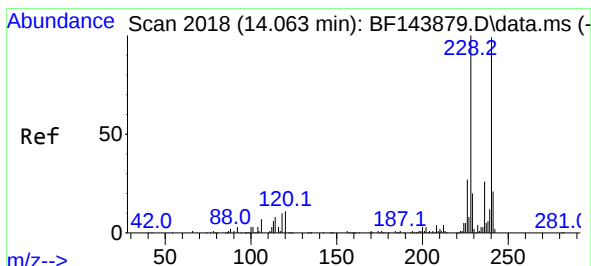
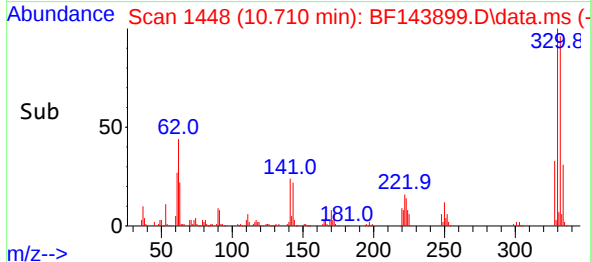
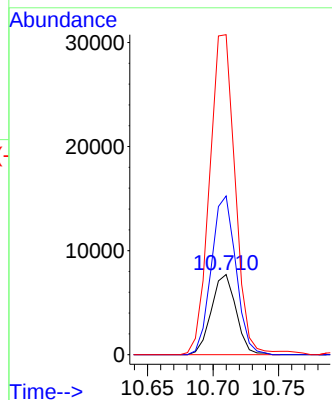
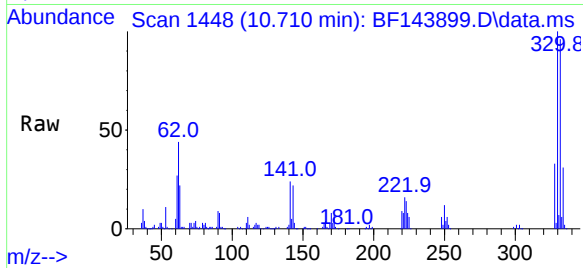




#67
4-Bromophenyl-phenylether
Concen: 2.597 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF143899.D
Acq: 08 Oct 2025 17:07

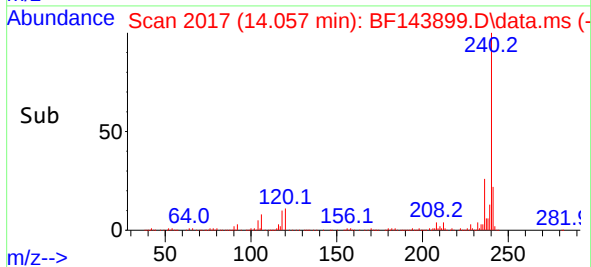
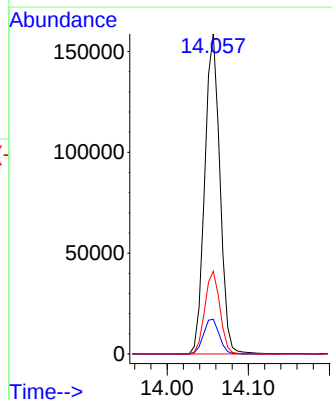
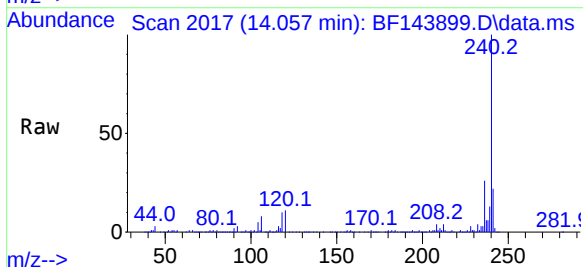
Instrument :
BNA_F
ClientSampleId :
ENV-4-6FT

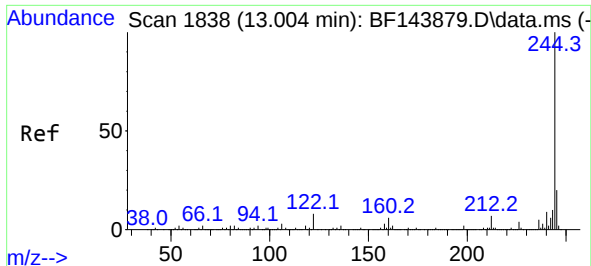
Tgt Ion:248 Resp: 10087
Ion Ratio Lower Upper
248 100
250 198.0 76.3 114.5#
141 399.1 49.7 74.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.011 min
Lab File: BF143899.D
Acq: 08 Oct 2025 17:07

Tgt Ion:240 Resp: 205903
Ion Ratio Lower Upper
240 100
120 10.9 8.6 13.0
236 25.9 21.1 31.7

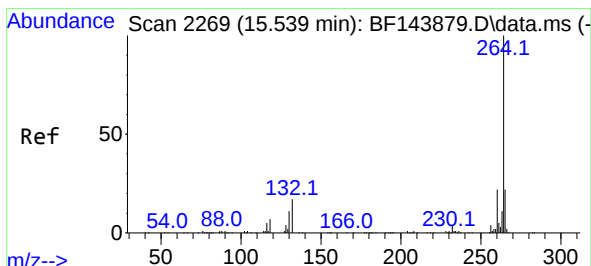
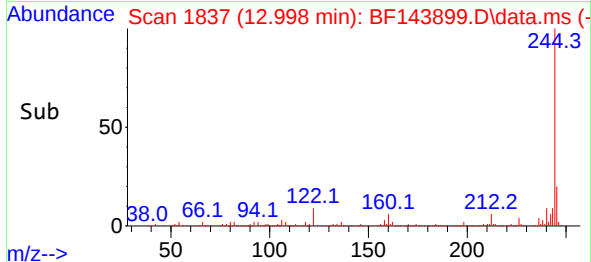
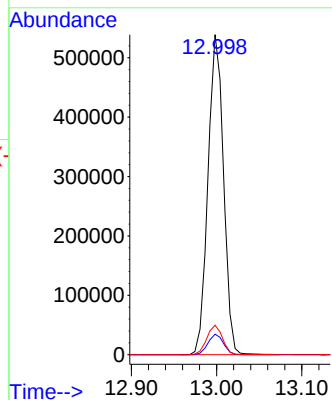
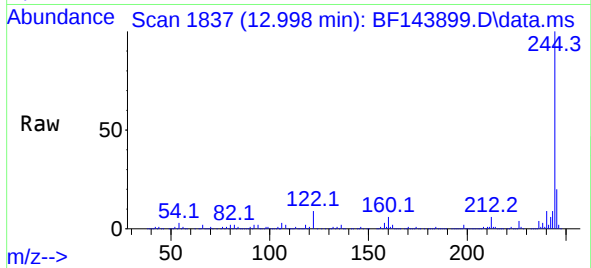




#79
Terphenyl-d14
Concen: 56.804 ng
RT: 12.998 min Scan# 1837
Delta R.T. -0.012 min
Lab File: BF143899.D
Acq: 08 Oct 2025 17:07

Instrument :
BNA_F
ClientSampleId :
ENV-4-6FT

Tgt Ion:244 Resp: 684348
Ion Ratio Lower Upper
244 100
212 6.4 5.4 8.0
122 9.2 6.4 9.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2268
Delta R.T. -0.012 min
Lab File: BF143899.D
Acq: 08 Oct 2025 17:07

Tgt Ion:264 Resp: 263892
Ion Ratio Lower Upper
264 100
260 21.2 17.8 26.8
265 21.6 17.5 26.3

