

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120425\
 Data File : BF144433.D
 Acq On : 04 Dec 2025 16:38
 Operator : RC/JU
 Sample : Q3770-01 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 4207

Quant Time: Dec 04 17:05:19 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)

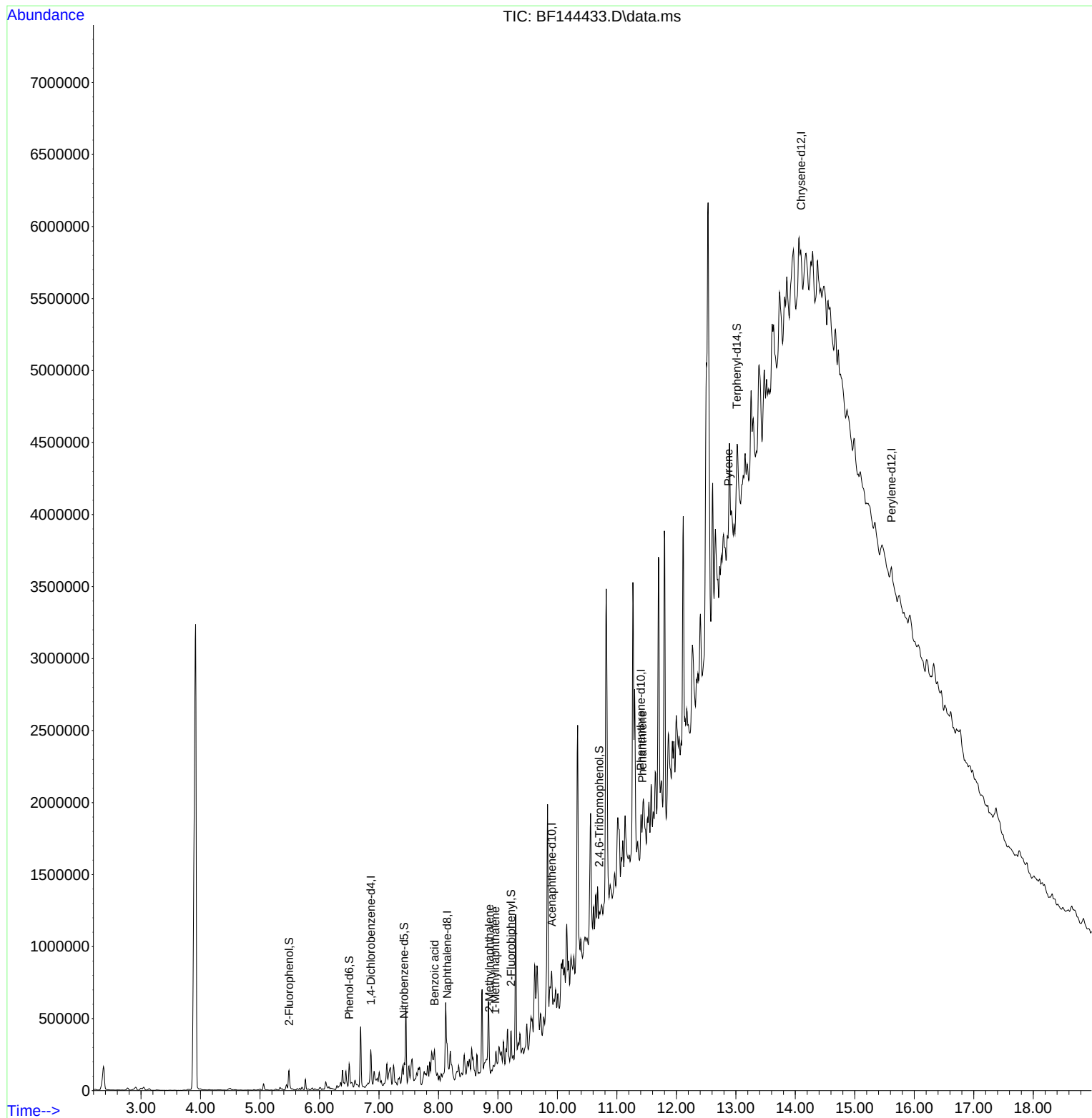
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	38949	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	132603	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	69199	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	102704	20.000	ng	# 0.00
76) Chrysene-d12	14.098	240	60759	20.000	ng	# 0.05
86) Perylene-d12	15.615	264	54465	20.000	ng	0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	69995	28.122	ng	0.00
7) Phenol-d6	6.498	99	82892	29.392	ng	0.00
23) Nitrobenzene-d5	7.422	82	48796	21.253	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	26574	30.602	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	110674	23.621	ng	0.00
79) Terphenyl-d14	13.016	244	93605	24.471	ng	0.02
Target Compounds						Qvalue
32) Benzoic acid	7.934	122	77737	57.338	ng	99
37) 2-Methylnaphthalene	8.857	142	16643	3.946	ng	99
38) 1-Methylnaphthalene	8.957	142	9637	2.368	ng	96
71) Phenanthrene	11.428	178	25504	4.988	ng	# 62
78) Pyrene	12.874	202	38787	7.917	ng	# 80

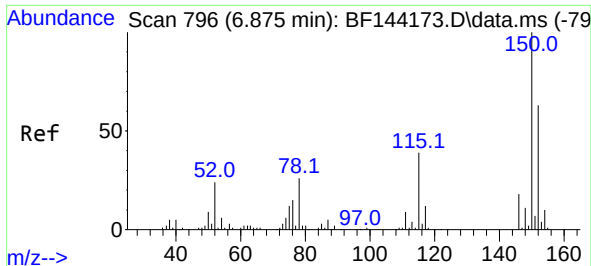
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120425\
Data File : BF144433.D
Acq On : 04 Dec 2025 16:38
Operator : RC/JU
Sample : Q3770-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
4207

Quant Time: Dec 04 17:05:19 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

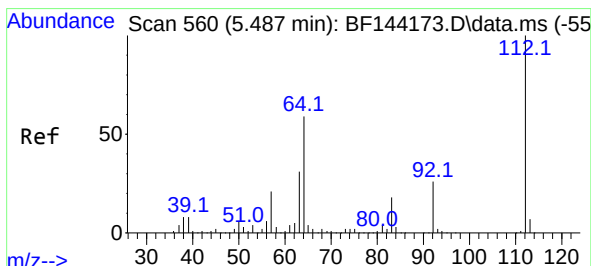
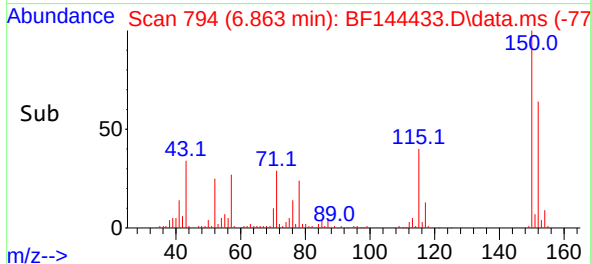
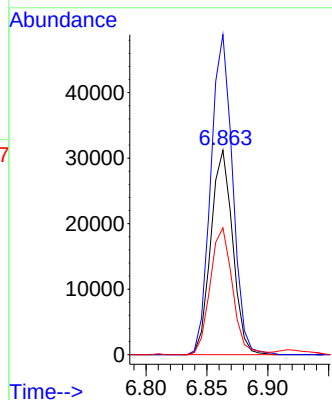
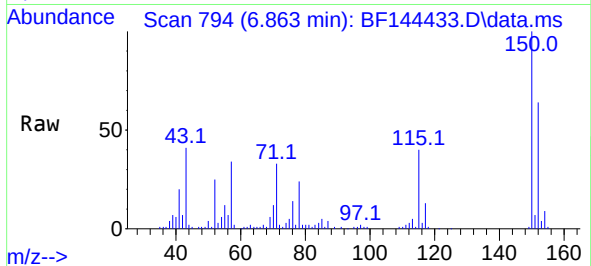




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 794
Delta R.T. -0.012 min
Lab File: BF144433.D
Acq: 04 Dec 2025 16:38

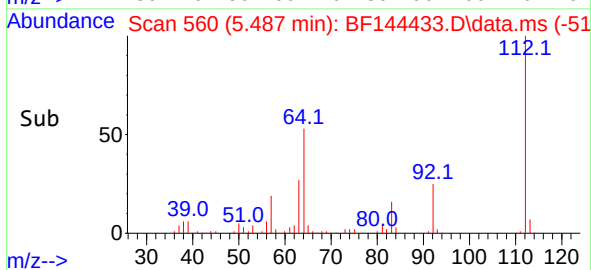
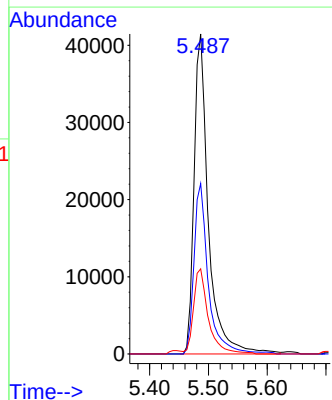
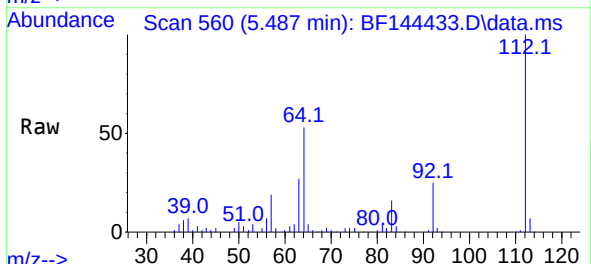
Instrument :
BNA_F
ClientSampleId :
4207

Tgt Ion:152 Resp: 38949
Ion Ratio Lower Upper
152 100
150 156.5 127.4 191.0
115 62.1 49.5 74.3

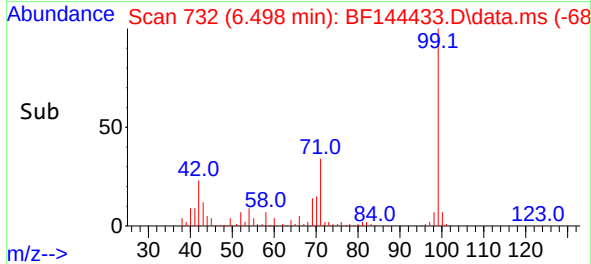
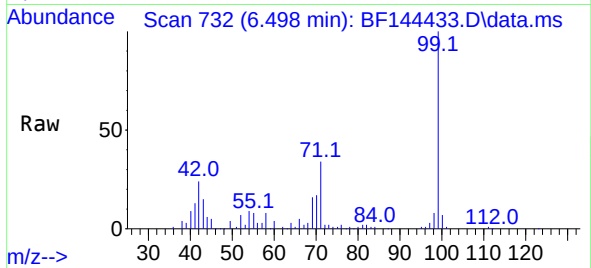
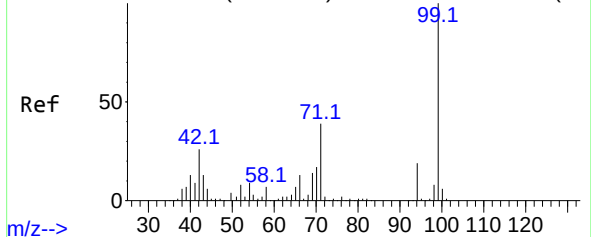


#5
2-Fluorophenol
Concen: 28.122 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF144433.D
Acq: 04 Dec 2025 16:38

Tgt Ion:112 Resp: 69995
Ion Ratio Lower Upper
112 100
64 53.2 47.2 70.8
63 26.6 24.4 36.6



Abundance Scan 733 (6.504 min): BF144173.D\data.ms (-72



#7

Phenol-d6

Concen: 29.392 ng

RT: 6.498 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF144433.D

Acq: 04 Dec 2025 16:38

Instrument :

BNA_F

ClientSampleId :

4207

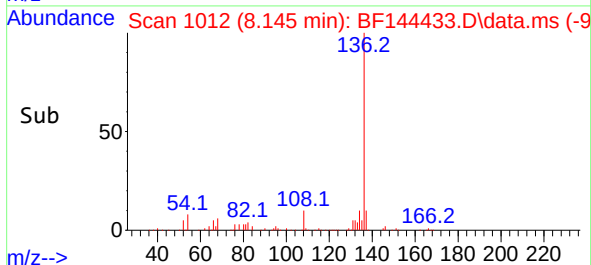
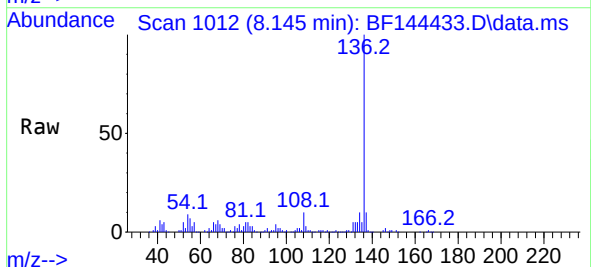
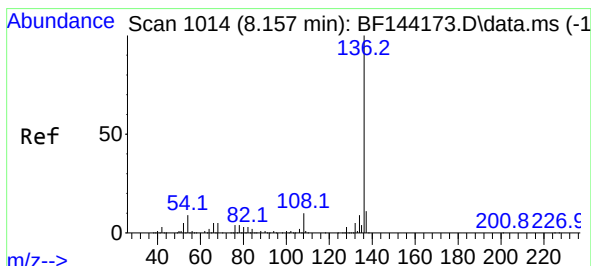
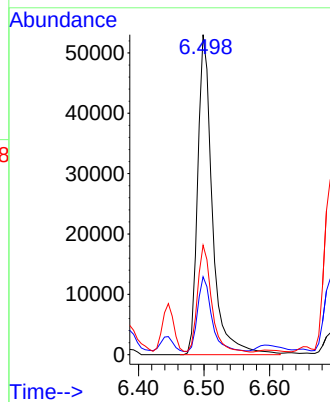
Tgt Ion: 99 Resp: 82892

Ion Ratio Lower Upper

99 100

42 24.4 20.9 31.3

71 34.2 31.4 47.2



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.145 min Scan# 1012

Delta R.T. -0.012 min

Lab File: BF144433.D

Acq: 04 Dec 2025 16:38

Tgt Ion: 136 Resp: 132603

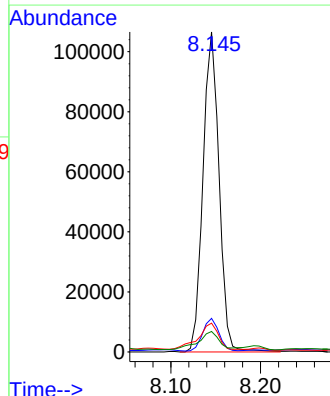
Ion Ratio Lower Upper

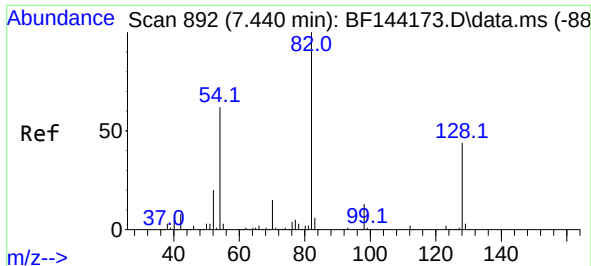
136 100

137 10.5 8.6 13.0

54 9.0 7.0 10.6

68 6.4 4.3 6.5

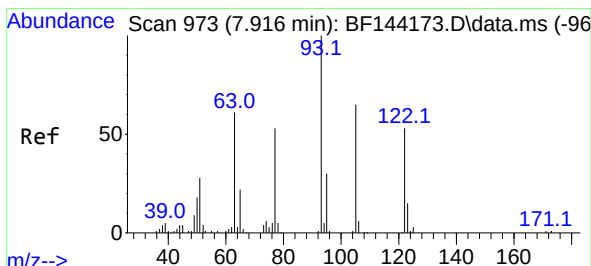
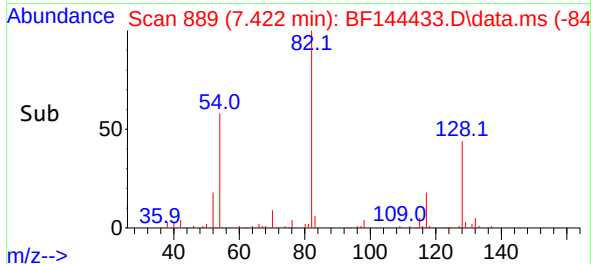
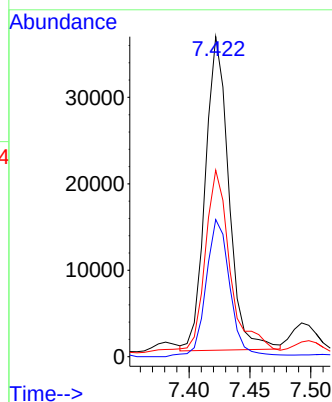
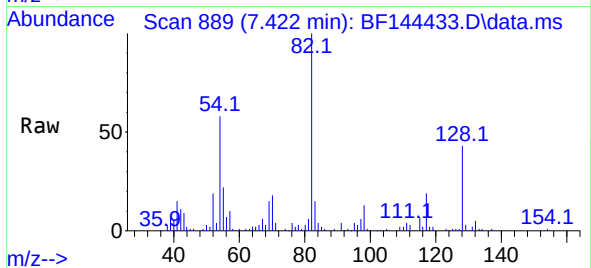




#23
Nitrobenzene-d5
Concen: 21.253 ng
RT: 7.422 min Scan# 892
Delta R.T. -0.012 min
Lab File: BF144433.D
Acq: 04 Dec 2025 16:38

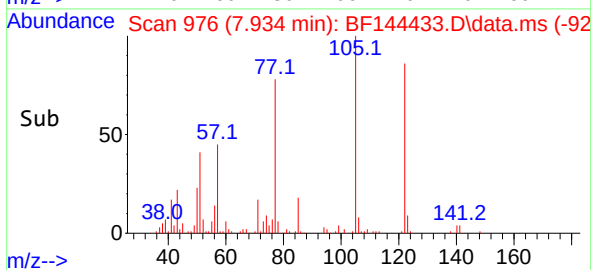
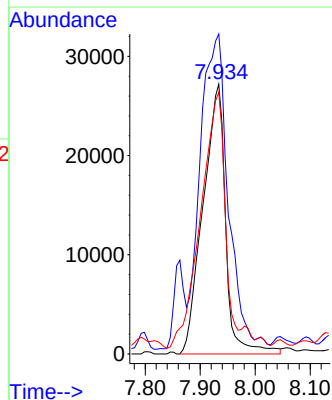
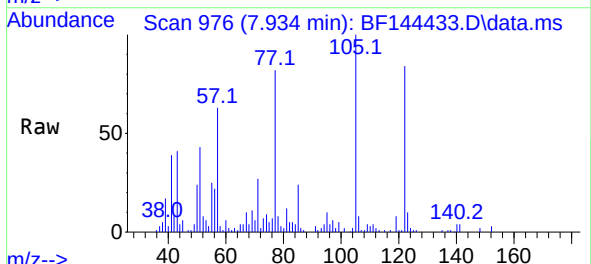
Instrument :
BNA_F
ClientSampleId :
4207

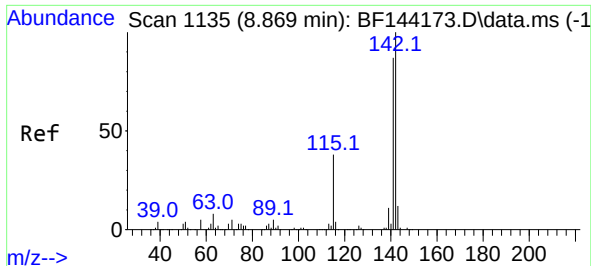
Tgt Ion: 82 Resp: 48796
Ion Ratio Lower Upper
82 100
128 42.9 34.7 52.1
54 58.3 49.5 74.3



#32
Benzoic acid
Concen: 57.338 ng
RT: 7.934 min Scan# 976
Delta R.T. -0.018 min
Lab File: BF144433.D
Acq: 04 Dec 2025 16:38

Tgt Ion:122 Resp: 77737
Ion Ratio Lower Upper
122 100
105 118.7 99.9 139.9
77 97.1 77.5 117.5

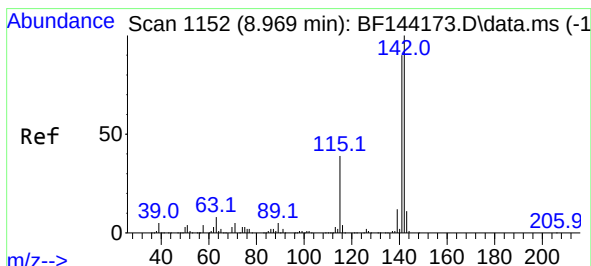
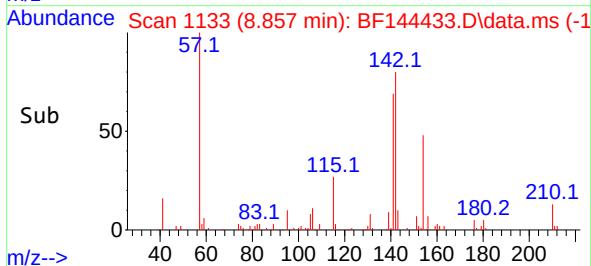
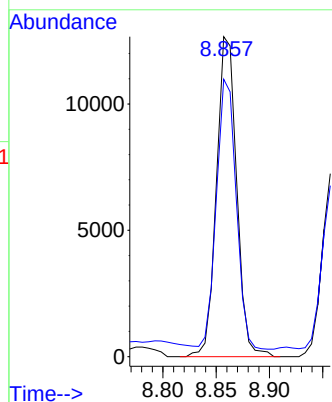
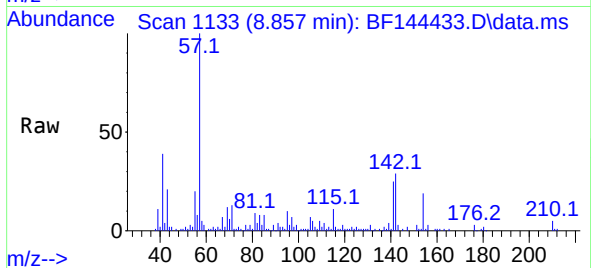




#37
2-Methylnaphthalene
Concen: 3.946 ng
RT: 8.857 min Scan# 1135
Delta R.T. -0.012 min
Lab File: BF144433.D
Acq: 04 Dec 2025 16:38

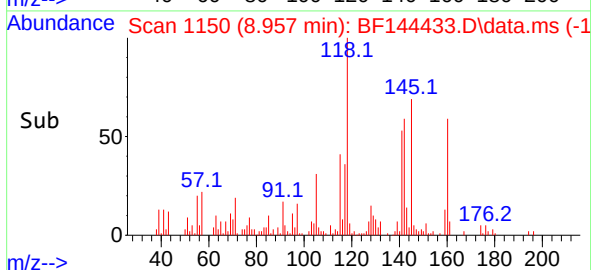
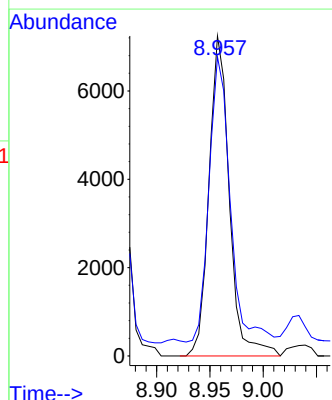
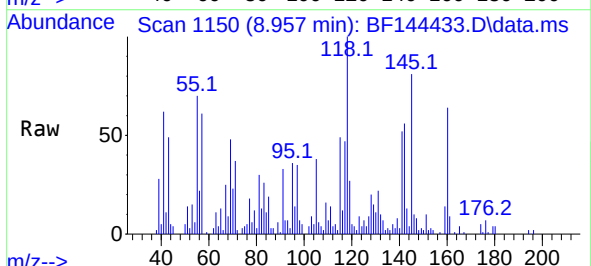
Instrument :
BNA_F
ClientSampleId :
4207

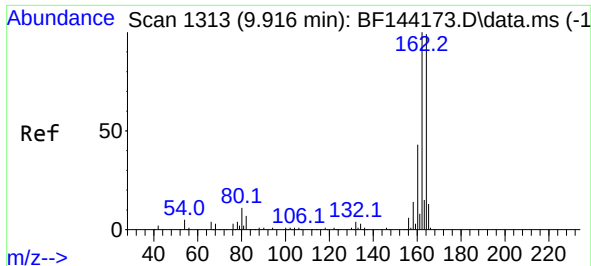
Tgt Ion:142 Resp: 16643
Ion Ratio Lower Upper
142 100
141 86.7 69.9 104.9



#38
1-Methylnaphthalene
Concen: 2.368 ng
RT: 8.957 min Scan# 1150
Delta R.T. -0.012 min
Lab File: BF144433.D
Acq: 04 Dec 2025 16:38

Tgt Ion:142 Resp: 9637
Ion Ratio Lower Upper
142 100
141 93.5 72.1 108.1

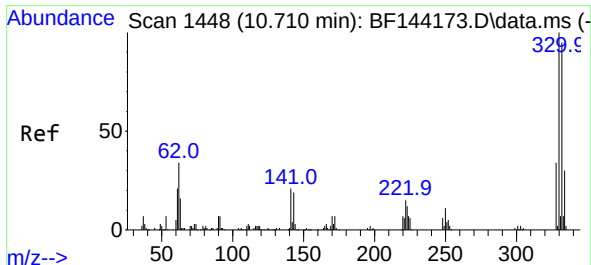
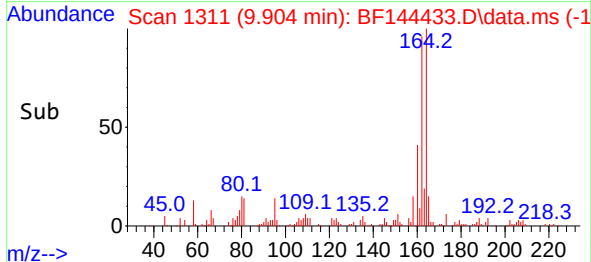
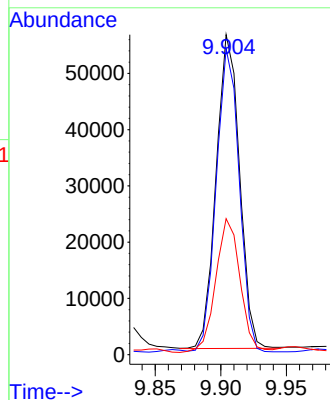
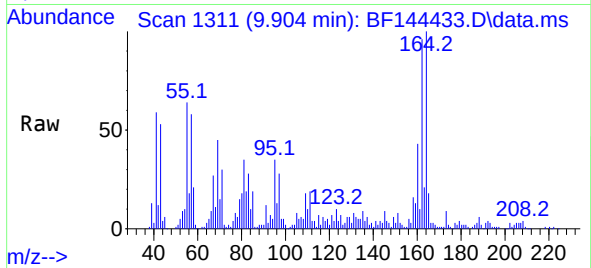




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144433.D
Acq: 04 Dec 2025 16:38

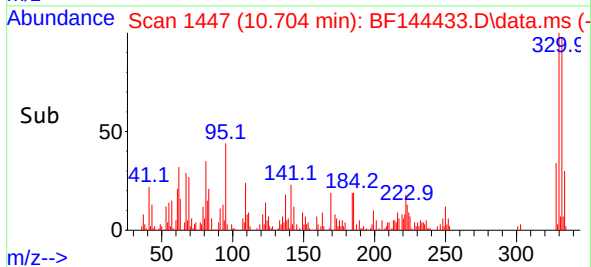
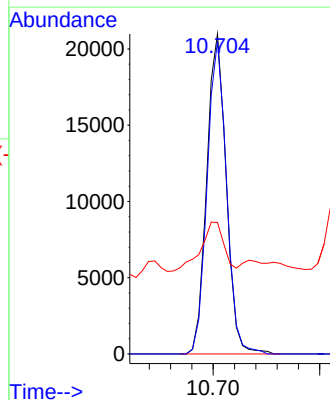
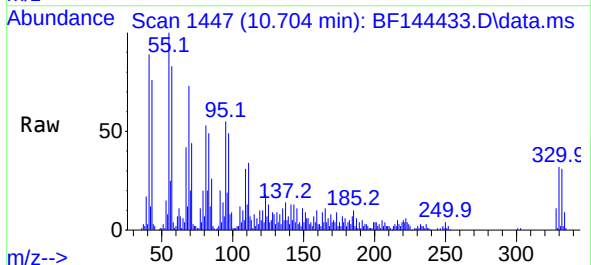
Instrument :
BNA_F
ClientSampleId :
4207

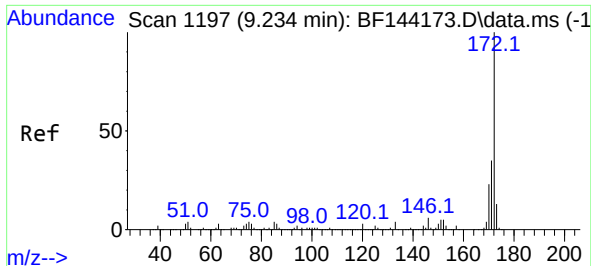
Tgt Ion:164 Resp: 69199
Ion Ratio Lower Upper
164 100
162 95.6 81.1 121.7
160 42.5 34.5 51.7



#42
2,4,6-Tribromophenol
Concen: 30.602 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.000 min
Lab File: BF144433.D
Acq: 04 Dec 2025 16:38

Tgt Ion:330 Resp: 26574
Ion Ratio Lower Upper
330 100
332 97.4 76.7 115.1
141 18.9 17.8 26.8





#45

2-Fluorobiphenyl

Concen: 23.621 ng

RT: 9.222 min Scan# 1195

Delta R.T. -0.006 min

Lab File: BF144433.D

Acq: 04 Dec 2025 16:38

Instrument :

BNA_F

ClientSampleId :

4207

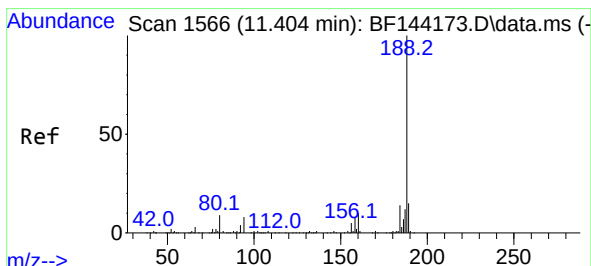
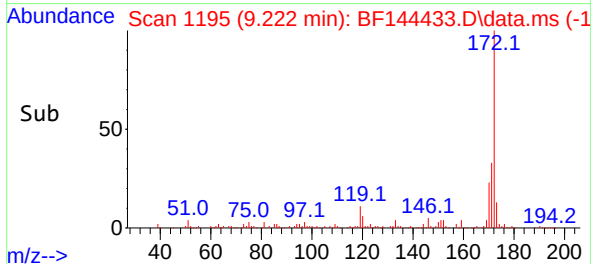
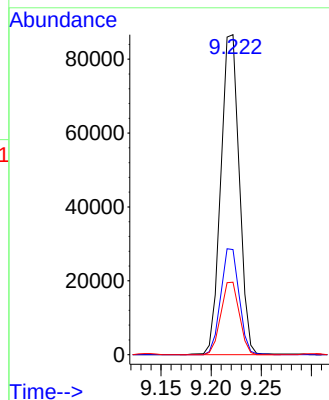
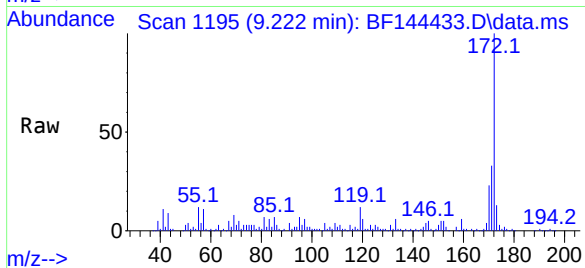
Tgt Ion:172 Resp: 110674

Ion Ratio Lower Upper

172 100

171 32.8 28.1 42.1

170 22.7 18.6 28.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1566

Delta R.T. -0.000 min

Lab File: BF144433.D

Acq: 04 Dec 2025 16:38

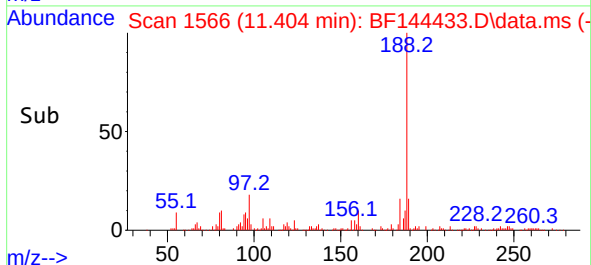
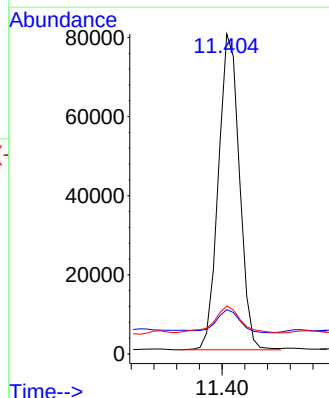
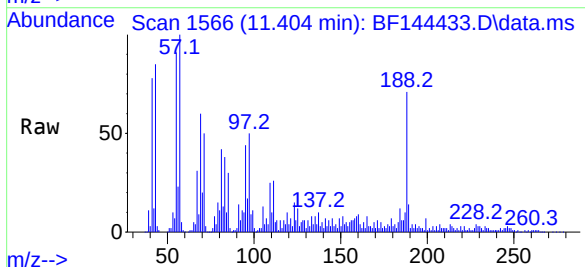
Tgt Ion:188 Resp: 102704

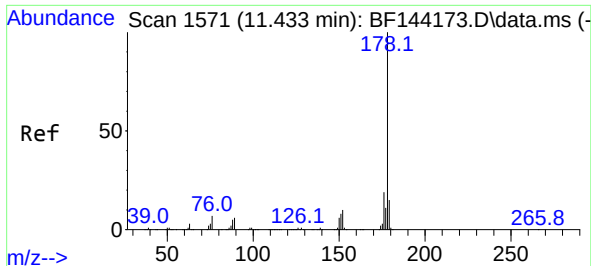
Ion Ratio Lower Upper

188 100

94 13.9 6.2 9.2#

80 15.0 6.9 10.3#

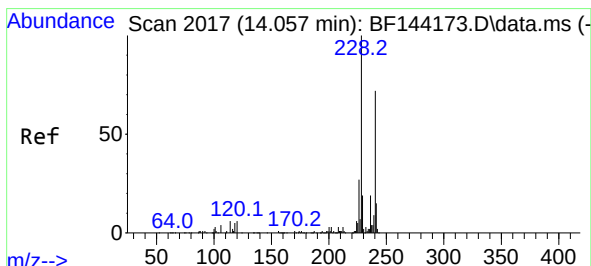
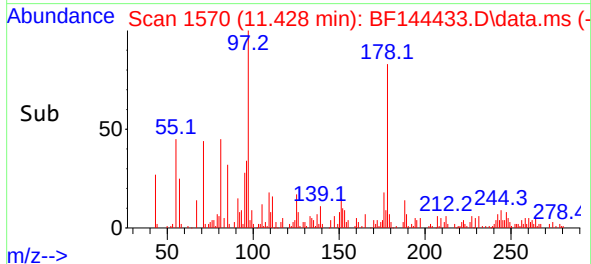
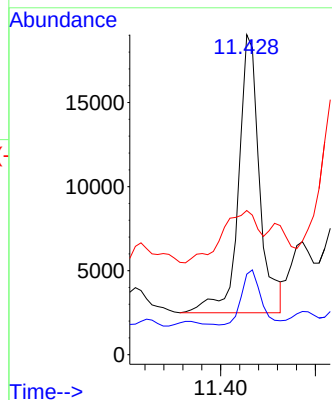
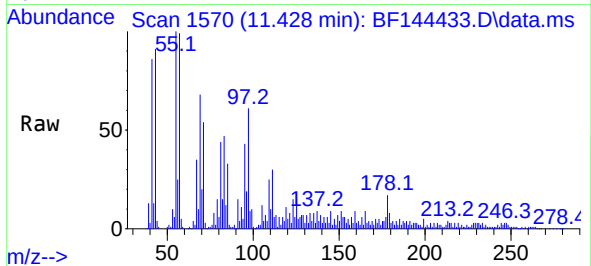




#71
Phenanthrene
Concen: 4.988 ng
RT: 11.428 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF144433.D
Acq: 04 Dec 2025 16:38

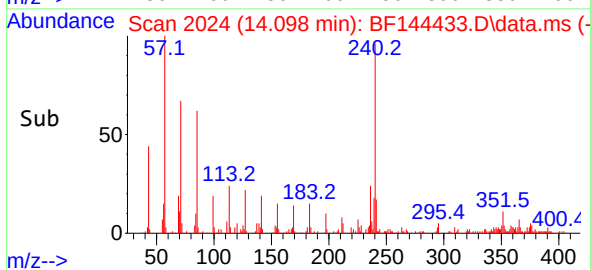
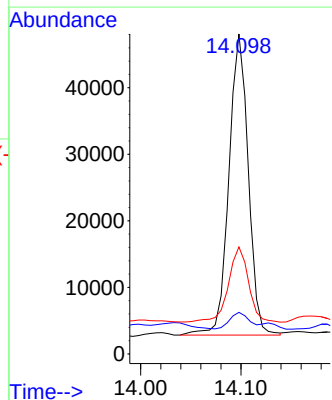
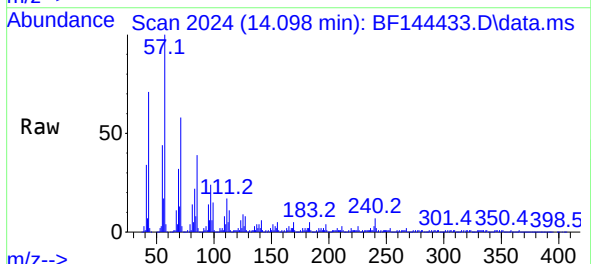
Instrument :
BNA_F
ClientSampleId :
4207

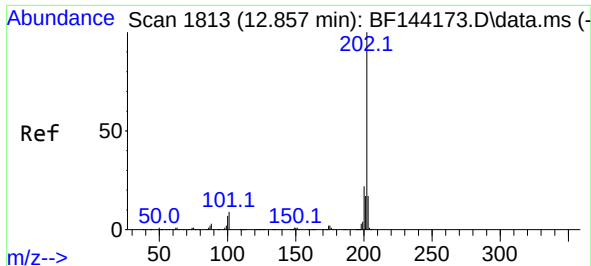
Tgt Ion:178 Resp: 25504
Ion Ratio Lower Upper
178 100
176 25.1 15.5 23.3#
179 45.0 12.2 18.4#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.047 min
Lab File: BF144433.D
Acq: 04 Dec 2025 16:38

Tgt Ion:240 Resp: 60759
Ion Ratio Lower Upper
240 100
120 13.0 6.6 10.0#
236 33.5 21.4 32.2#

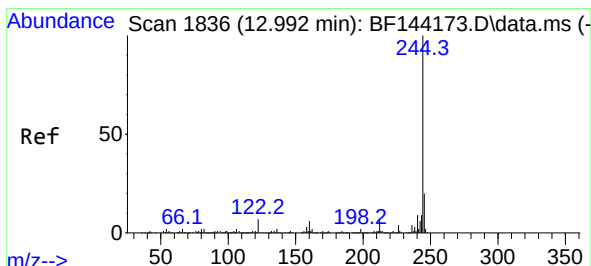
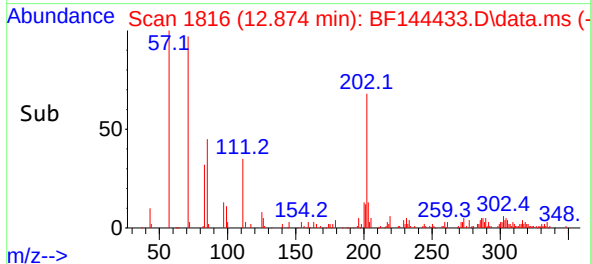
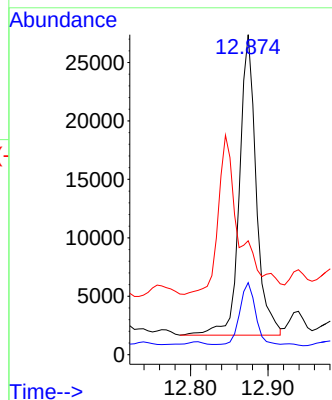
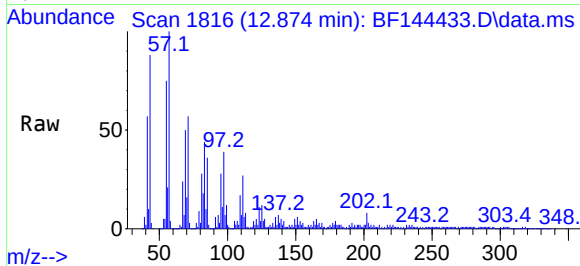




#78
Pyrene
Concen: 7.917 ng
RT: 12.874 min Scan# 1813
Delta R.T. 0.023 min
Lab File: BF144433.D
Acq: 04 Dec 2025 16:38

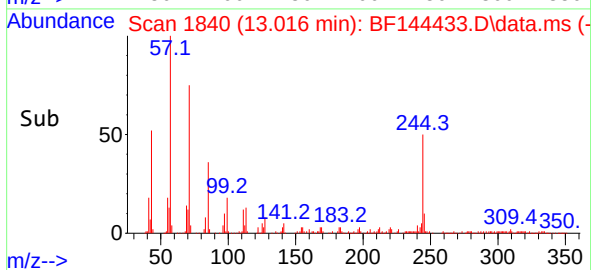
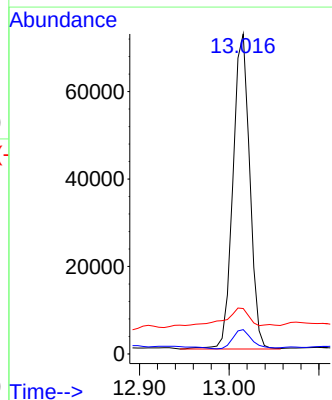
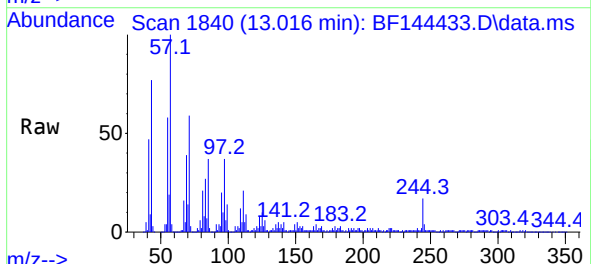
Instrument :
BNA_F
ClientSampleId :
4207

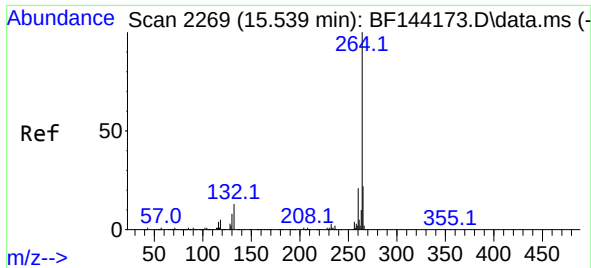
Tgt Ion:202 Resp: 38787
Ion Ratio Lower Upper
202 100
200 22.5 17.2 25.8
203 35.6 13.7 20.5#



#79
Terphenyl-d14
Concen: 24.471 ng
RT: 13.016 min Scan# 1840
Delta R.T. 0.023 min
Lab File: BF144433.D
Acq: 04 Dec 2025 16:38

Tgt Ion:244 Resp: 93605
Ion Ratio Lower Upper
244 100
212 7.6 5.3 7.9
122 14.2 5.6 8.4#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.615 min Scan# 21
Delta R.T. 0.076 min
Lab File: BF144433.D
Acq: 04 Dec 2025 16:38

Instrument :
BNA_F
ClientSampleId :
4207

Tgt Ion:	264	Resp:	54465
Ion Ratio	Lower	Upper	
264	100		
260	22.7	17.1	25.7
265	26.0	17.4	26.0

