

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
 Data File : BF141952.D
 Acq On : 13 Mar 2025 20:39
 Operator : RC/JU
 Sample : Q1547-06
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-620-JB-COMP-02

Quant Time: Mar 14 10:40:28 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

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

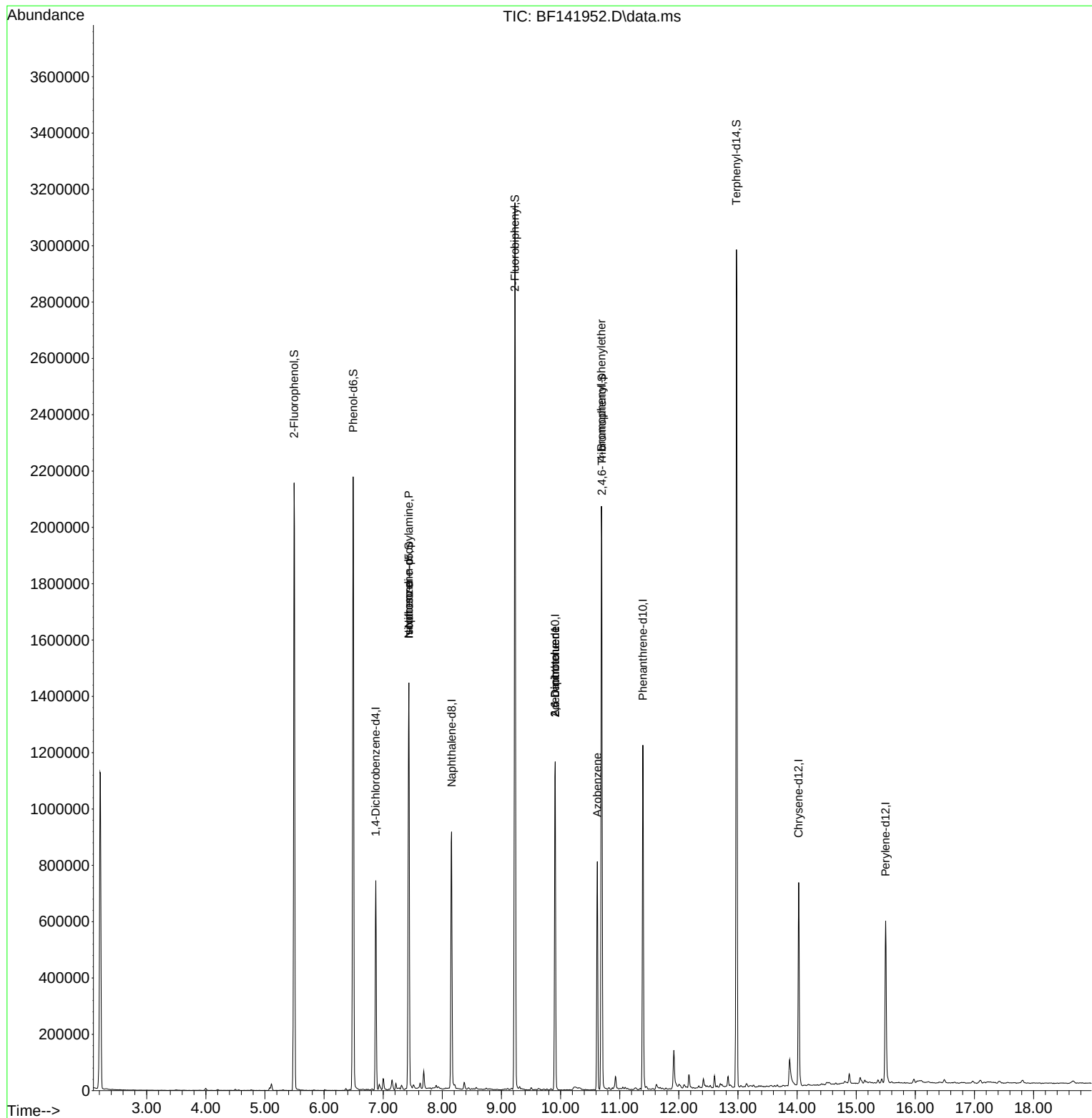
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	152520	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	616349	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	356942	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	609471	20.000	ng	-0.01
76) Chrysene-d12	14.027	240	338044	20.000	ng	-0.01
86) Perylene-d12	15.498	264	335350	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	838644	91.769	ng	0.00
7) Phenol-d6	6.492	99	1062237	91.293	ng	-0.01
23) Nitrobenzene-d5	7.434	82	683005	62.362	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	388894	85.881	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1390684	59.252	ng	-0.01
79) Terphenyl-d14	12.974	244	1492726	65.285	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	96932	12.965	ng	# 77
25) Isophorone	7.434	82	666269	34.415	ng	# 64
51) 2,6-Dinitrotoluene	9.910	165	46112	8.860	ng	# 23
57) 2,4-Dinitrotoluene	9.910	165	46112	6.784	ng	# 24
63) Azobenzene	10.622	77	201898	8.713	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	24164	3.157	ng	# 1

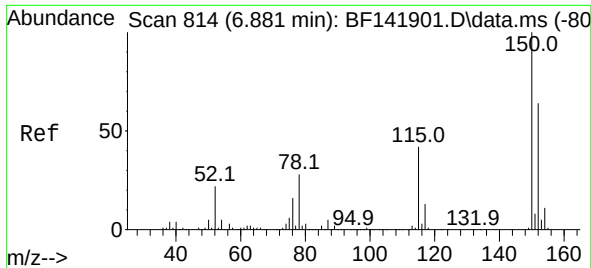
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 14 10:40:28 2025
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

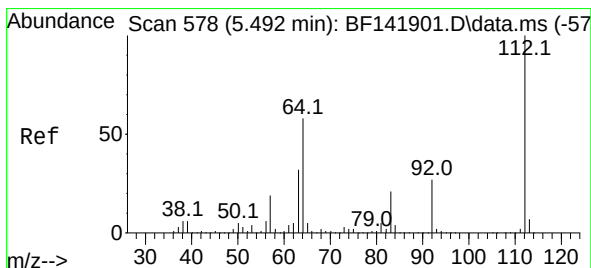
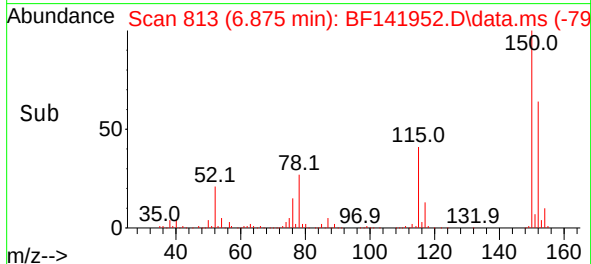
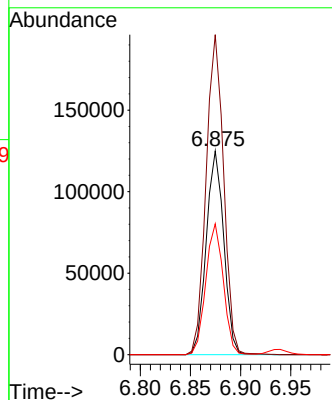
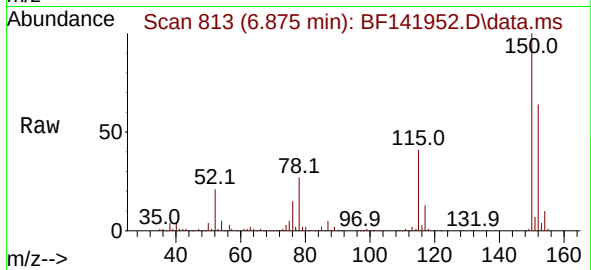




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF141952.D
Acq: 13 Mar 2025 20:39

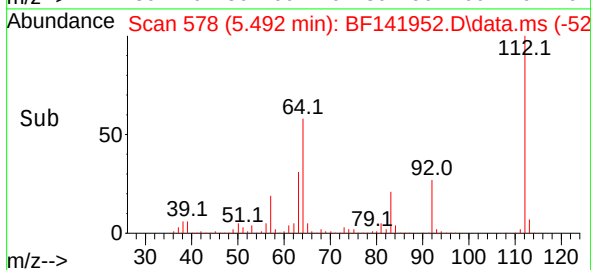
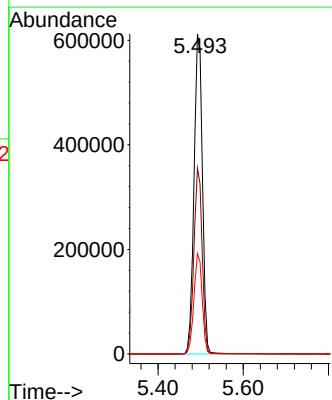
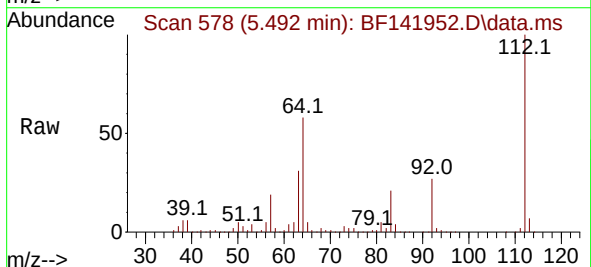
Instrument :
BNA_F
ClientSampleId :
OR-620-JB-COMP-02

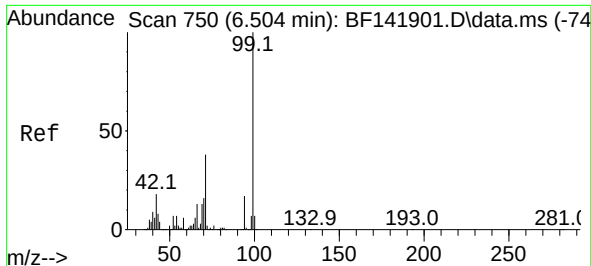
Tgt Ion:152 Resp: 152520
Ion Ratio Lower Upper
152 100
150 157.1 127.4 191.2
115 64.3 51.9 77.9



#5
2-Fluorophenol
Concen: 91.769 ng
RT: 5.492 min Scan# 578
Delta R.T. 0.000 min
Lab File: BF141952.D
Acq: 13 Mar 2025 20:39

Tgt Ion:112 Resp: 838644
Ion Ratio Lower Upper
112 100
64 58.1 46.5 69.7
63 31.4 25.4 38.2

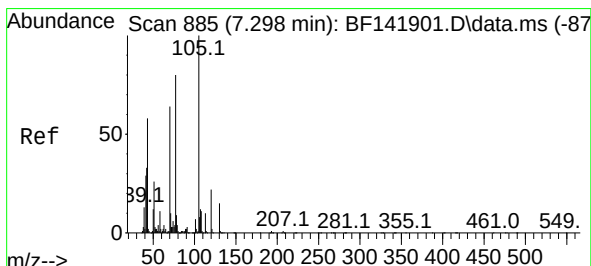
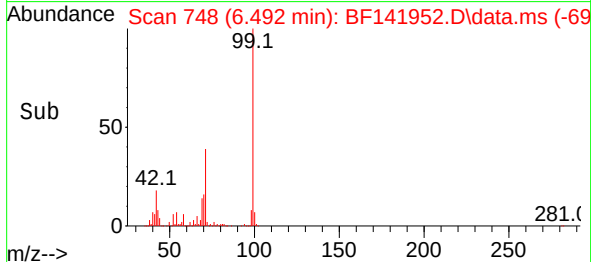
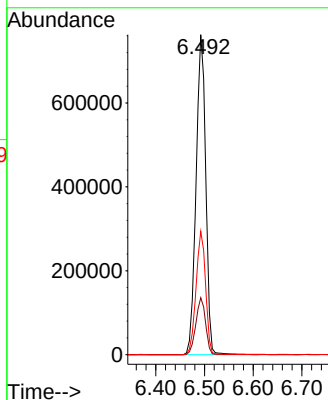
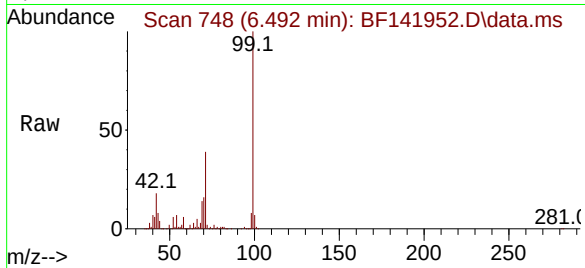




#7
Phenol-d6
Concen: 91.293 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF141952.D
Acq: 13 Mar 2025 20:39

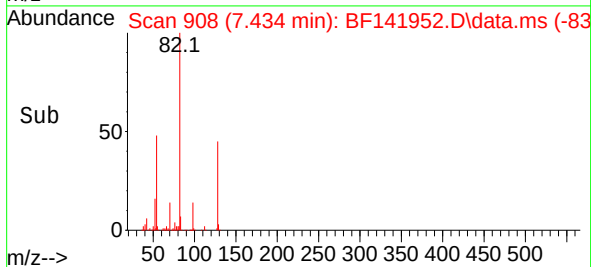
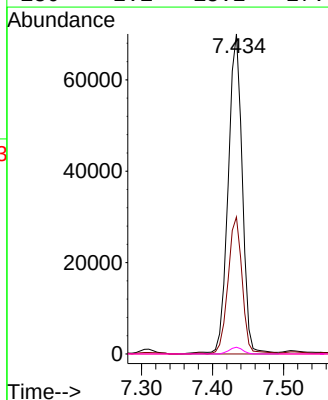
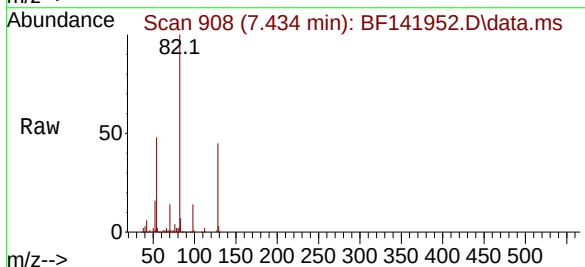
Instrument :
BNA_F
ClientSampleId :
OR-620-JB-COMP-02

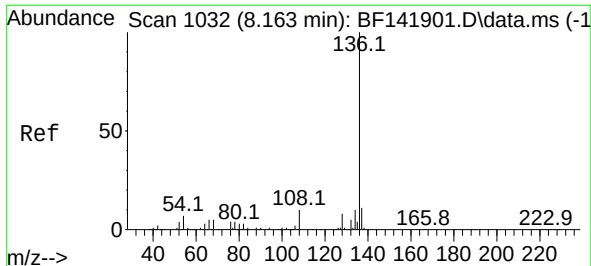
Tgt Ion: 99 Resp: 1062237
Ion Ratio Lower Upper
99 100
42 17.8 14.6 21.8
71 38.5 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 12.965 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.135 min
Lab File: BF141952.D
Acq: 13 Mar 2025 20:39

Tgt Ion: 70 Resp: 96932
Ion Ratio Lower Upper
70 100
42 42.8 41.4 62.0
101 0.0 8.2 12.2#
130 2.1 18.2 27.4#



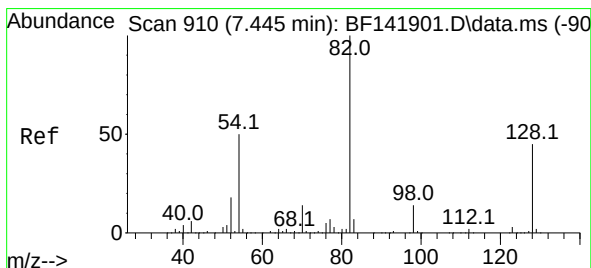
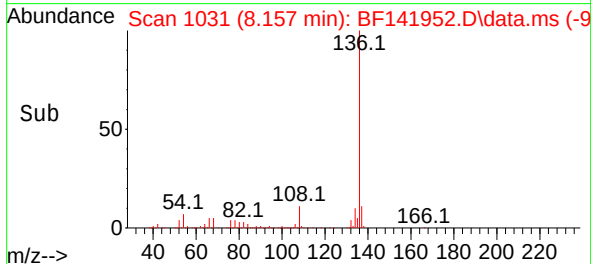
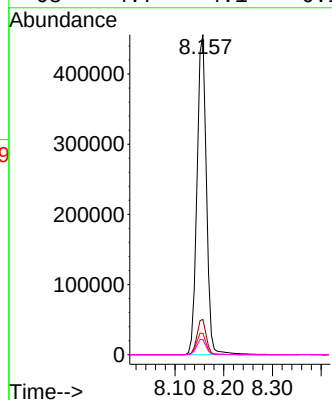
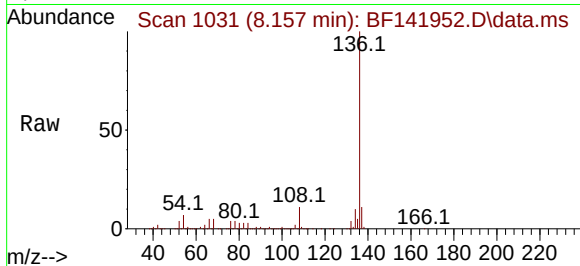


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141952.D
Acq: 13 Mar 2025 20:39

Instrument :
BNA_F
ClientSampleId :
OR-620-JB-COMP-02

Tgt Ion:136 Resp: 616349

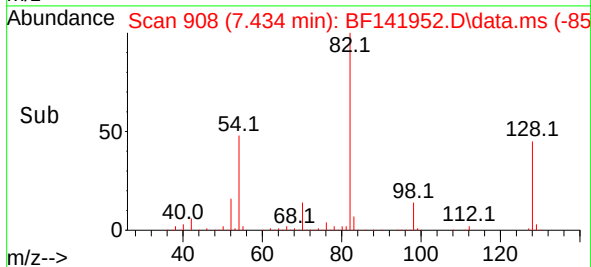
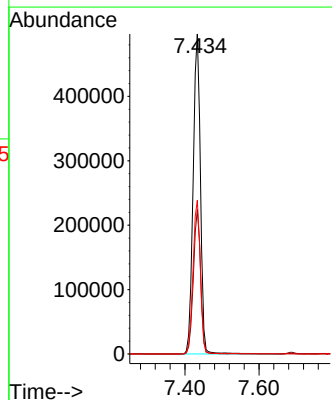
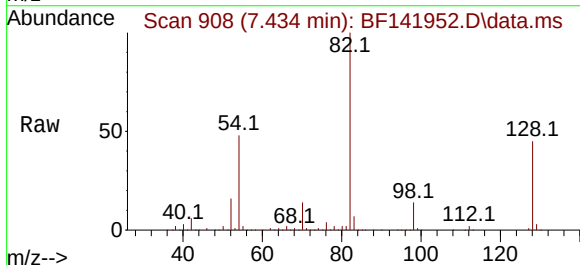
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	6.6	5.8	8.8
68	4.7	4.1	6.1

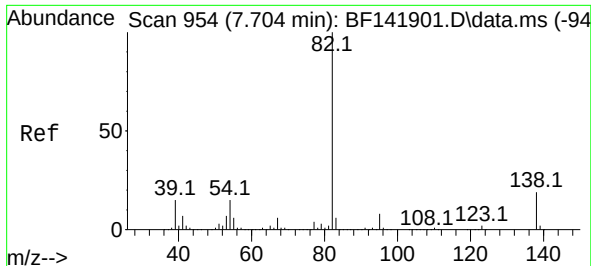


#23
Nitrobenzene-d5
Concen: 62.362 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF141952.D
Acq: 13 Mar 2025 20:39

Tgt Ion: 82 Resp: 683005

Ion	Ratio	Lower	Upper
82	100		
128	45.2	36.0	54.0
54	48.0	39.6	59.4

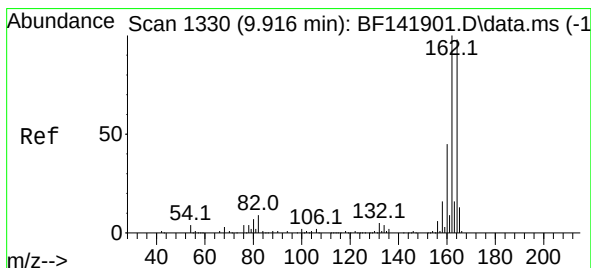
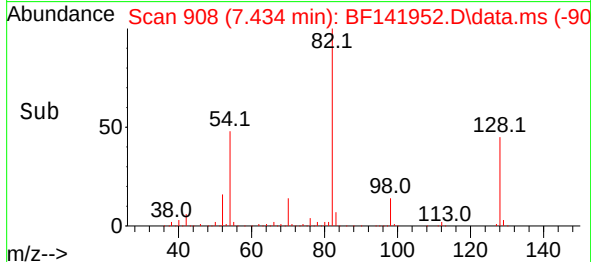
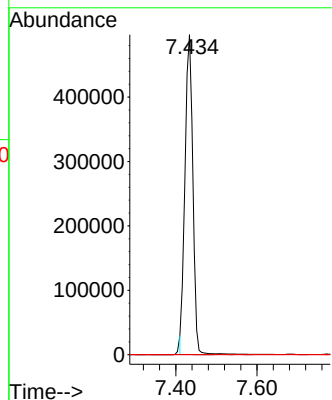
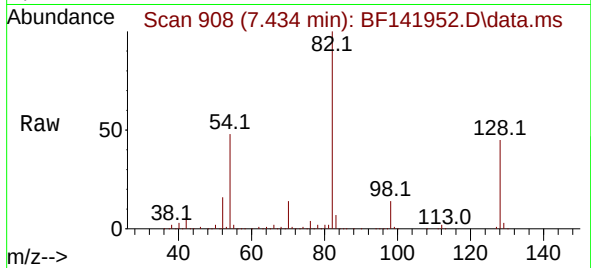




#25
Isophorone
Concen: 34.415 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF141952.D
Acq: 13 Mar 2025 20:39

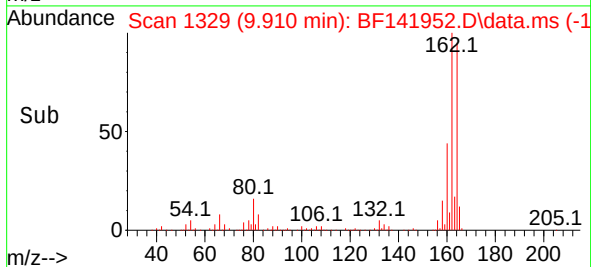
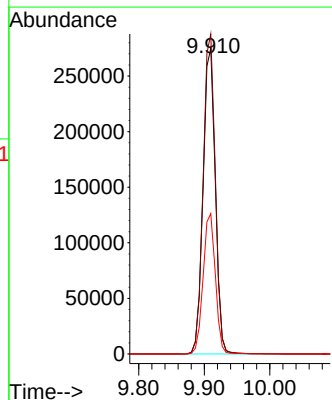
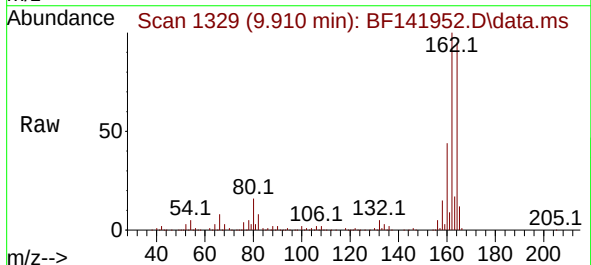
Instrument :
BNA_F
ClientSampleId :
OR-620-JB-COMP-02

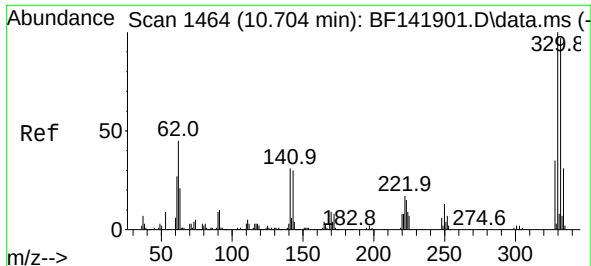
Tgt Ion: 82 Resp: 666269
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF141952.D
Acq: 13 Mar 2025 20:39

Tgt Ion:164 Resp: 356942
Ion Ratio Lower Upper
164 100
162 104.8 81.8 122.6
160 46.0 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 85.881 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF141952.D

Acq: 13 Mar 2025 20:39

Instrument :

BNA_F

ClientSampleId :

OR-620-JB-COMP-02

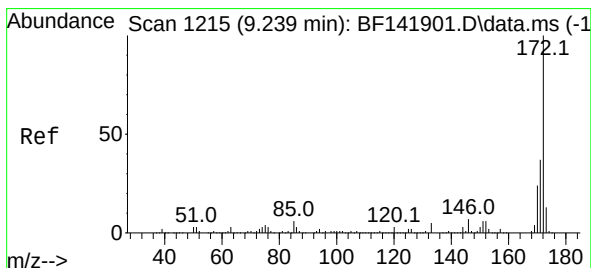
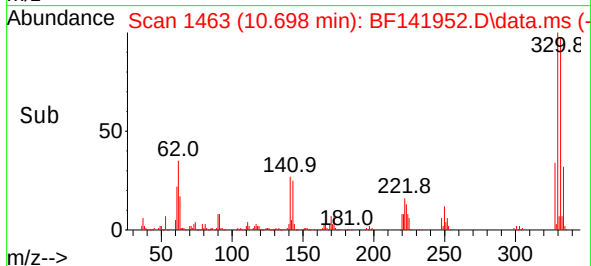
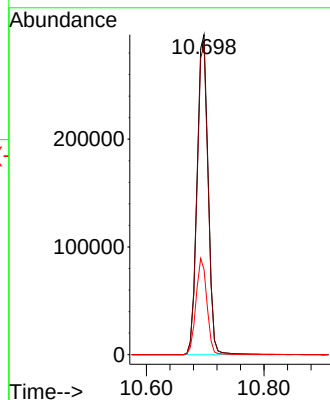
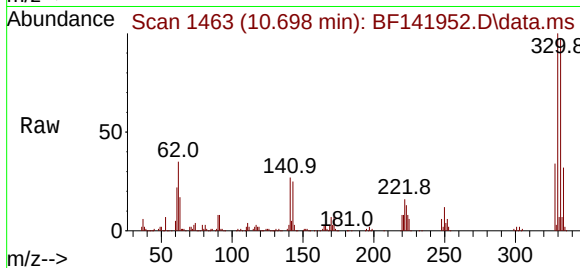
Tgt Ion:330 Resp: 388894

Ion Ratio Lower Upper

330 100

332 97.0 77.6 116.4

141 29.9 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 59.252 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.012 min

Lab File: BF141952.D

Acq: 13 Mar 2025 20:39

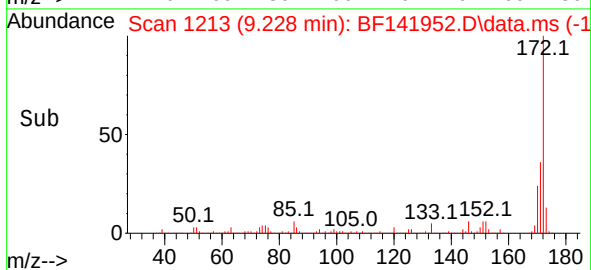
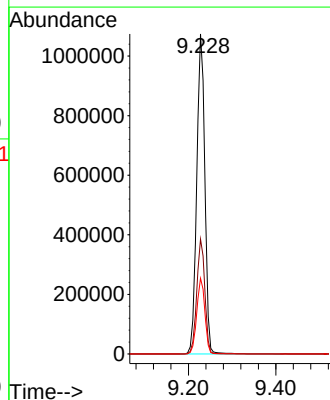
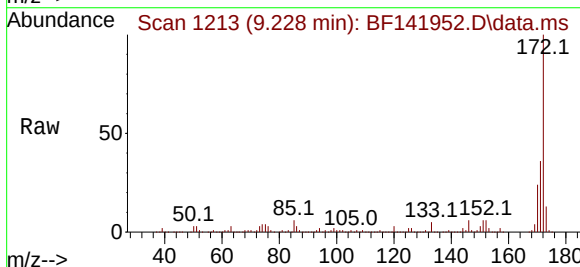
Tgt Ion:172 Resp: 1390684

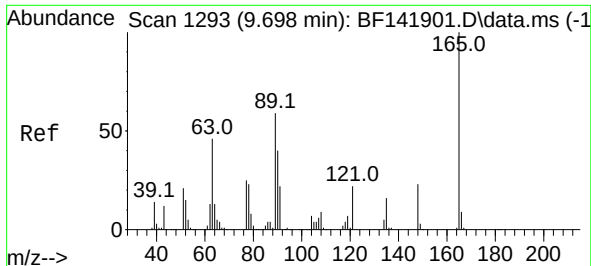
Ion Ratio Lower Upper

172 100

171 35.9 29.3 43.9

170 23.7 19.4 29.0





#51

2,6-Dinitrotoluene

Concen: 8.860 ng

RT: 9.910 min Scan# 1329

Delta R.T. 0.212 min

Lab File: BF141952.D

Acq: 13 Mar 2025 20:39

Instrument :

BNA_F

ClientSampleId :

OR-620-JB-COMP-02

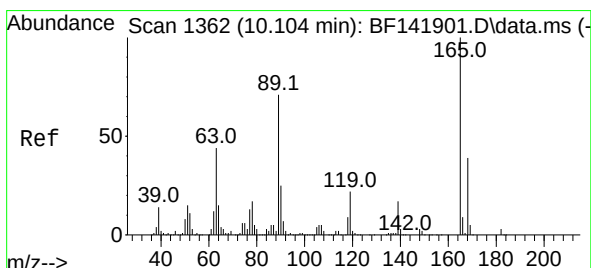
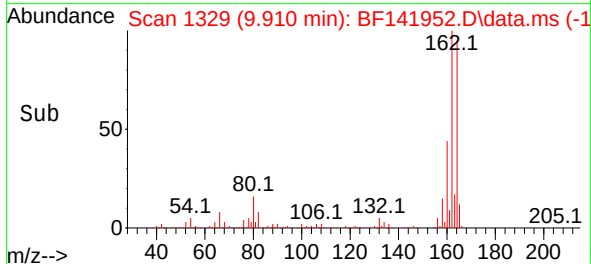
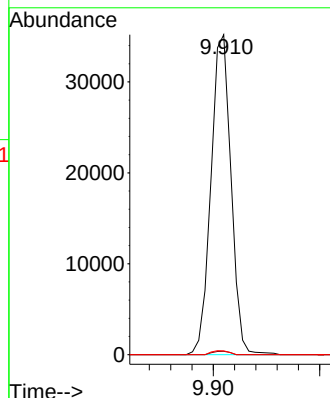
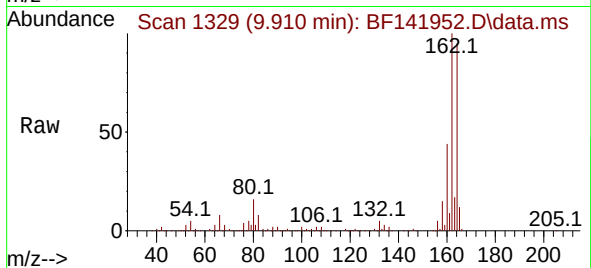
Tgt Ion:165 Resp: 46112

Ion Ratio Lower Upper

165 100

63 1.1 47.0 70.4#

89 1.2 47.4 71.2#



#57

2,4-Dinitrotoluene

Concen: 6.784 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.194 min

Lab File: BF141952.D

Acq: 13 Mar 2025 20:39

Tgt Ion:165 Resp: 46112

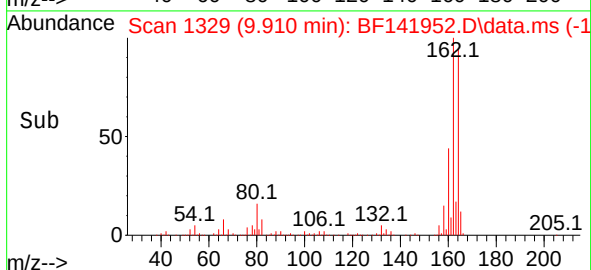
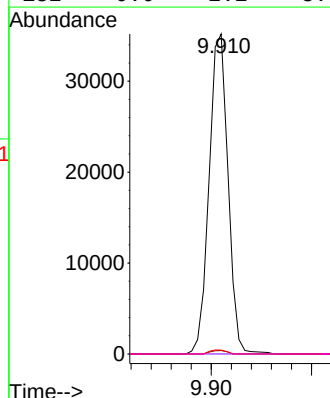
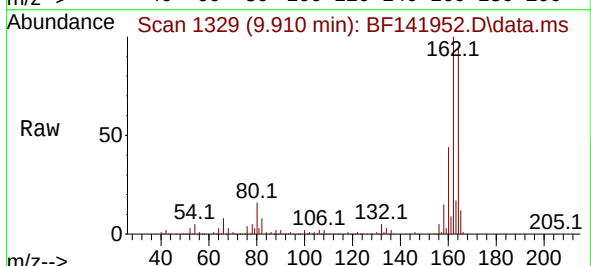
Ion Ratio Lower Upper

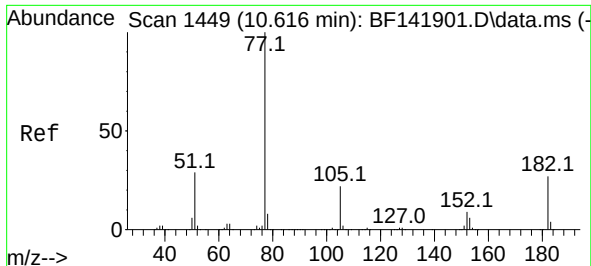
165 100

63 1.1 35.4 53.2#

89 1.2 56.6 84.8#

182 0.0 2.2 3.4#

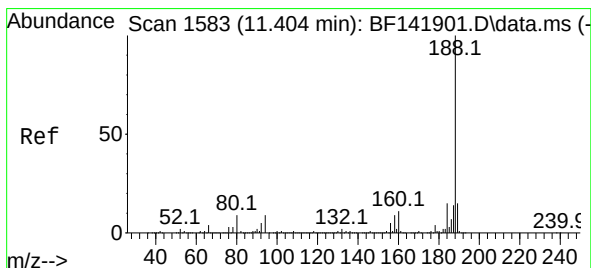
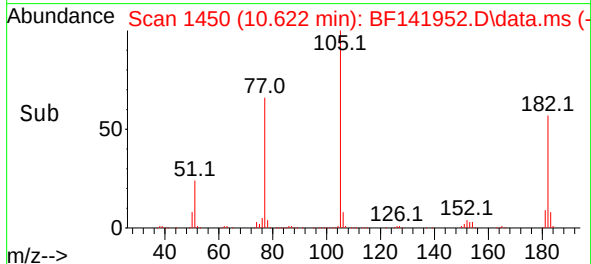
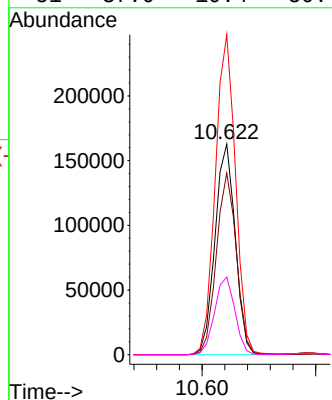
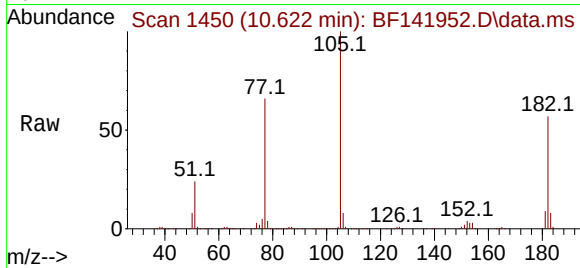




#63
Azobenzene
Concen: 8.713 ng
RT: 10.622 min Scan# 1449
Delta R.T. 0.006 min
Lab File: BF141952.D
Acq: 13 Mar 2025 20:39

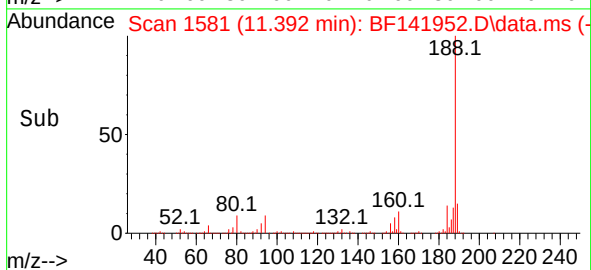
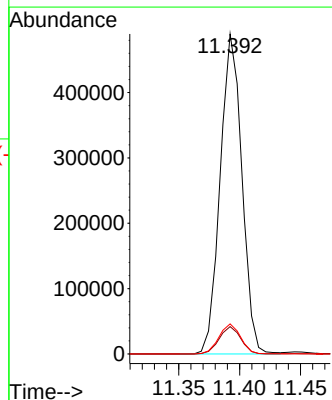
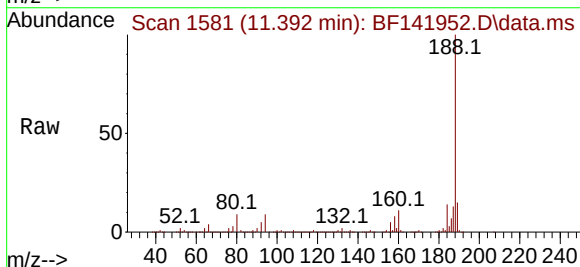
Instrument :
BNA_F
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OR-620-JB-COMP-02

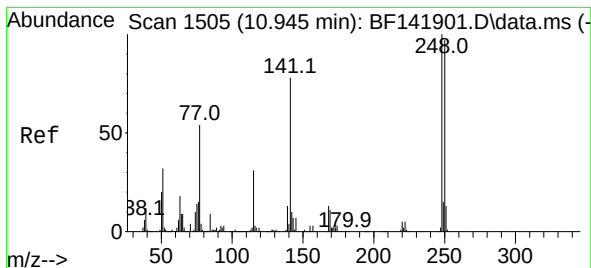
Tgt Ion: 77 Resp: 201898
Ion Ratio Lower Upper
77 100
182 86.2 6.6 46.6#
105 151.9 1.3 41.3#
51 37.0 10.4 50.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF141952.D
Acq: 13 Mar 2025 20:39

Tgt Ion:188 Resp: 609471
Ion Ratio Lower Upper
188 100
94 8.6 6.8 10.2
80 9.4 7.6 11.4

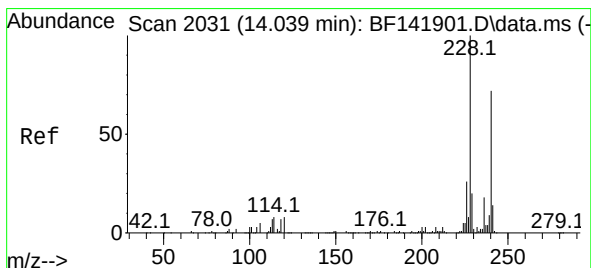
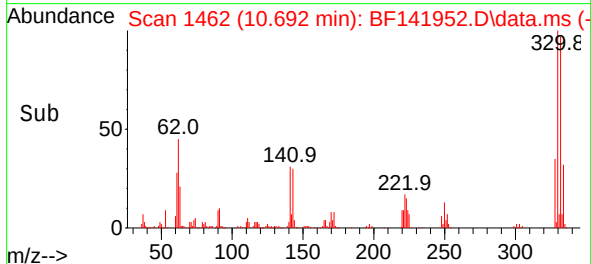
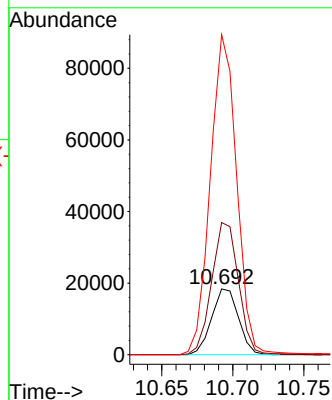
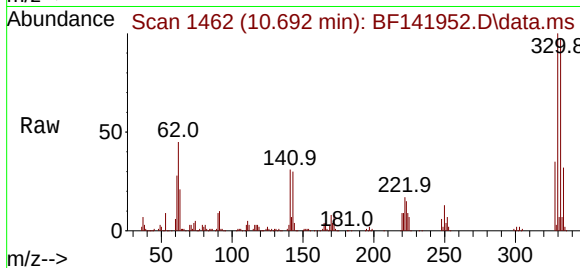




#67
4-Bromophenyl-phenylether
Concen: 3.157 ng
RT: 10.692 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF141952.D
Acq: 13 Mar 2025 20:39

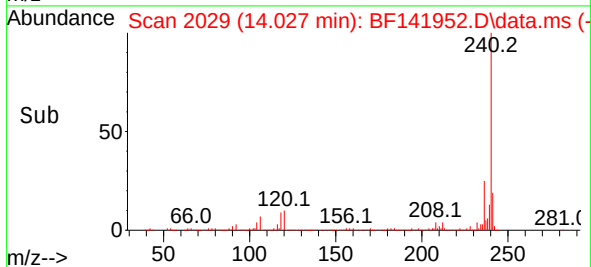
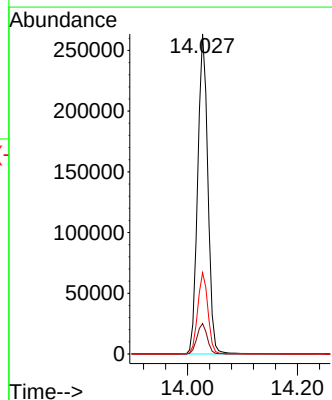
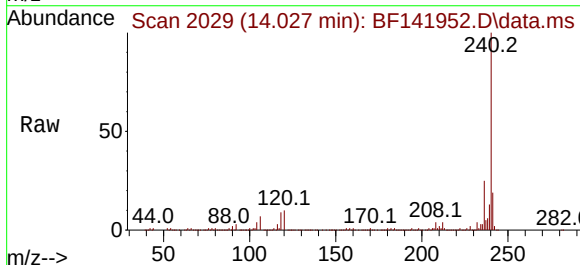
Instrument :
BNA_F
ClientSampleId :
OR-620-JB-COMP-02

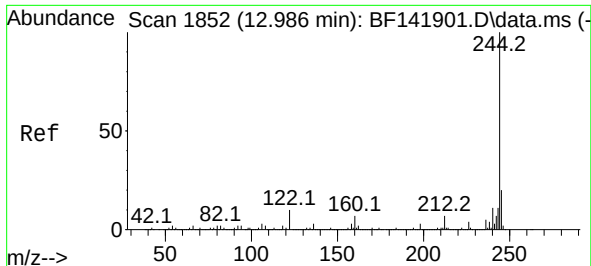
Tgt Ion:248 Resp: 24164
Ion Ratio Lower Upper
248 100
250 201.0 77.8 116.8#
141 486.5 62.6 93.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2029
Delta R.T. -0.012 min
Lab File: BF141952.D
Acq: 13 Mar 2025 20:39

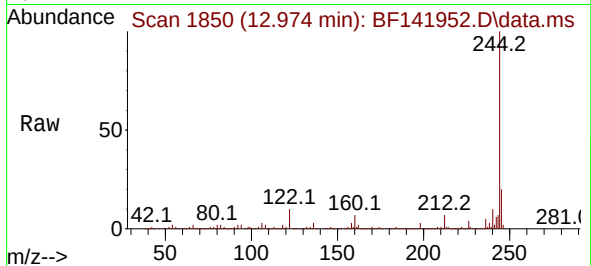
Tgt Ion:240 Resp: 338044
Ion Ratio Lower Upper
240 100
120 9.5 8.4 12.6
236 25.4 20.5 30.7



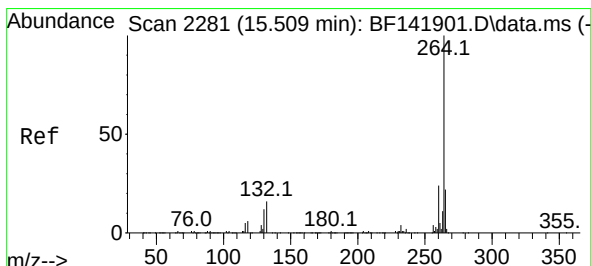
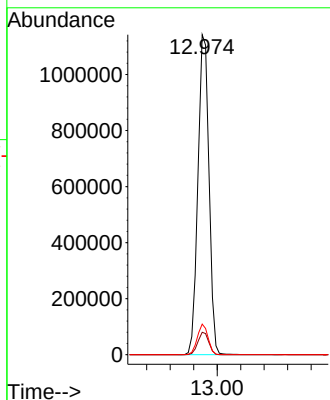
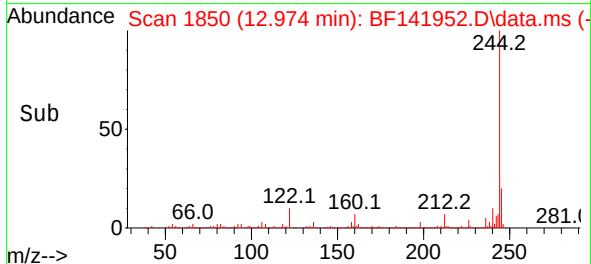


#79
 Terphenyl-d14
 Concen: 65.285 ng
 RT: 12.974 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF141952.D
 Acq: 13 Mar 2025 20:39

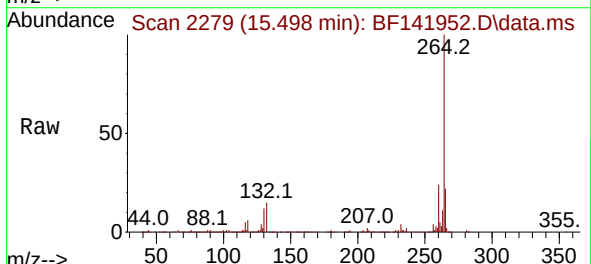
Instrument :
 BNA_F
 ClientSampleId :
 OR-620-JB-COMP-02



Tgt Ion:244 Resp: 1492726
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 9.5 7.7 11.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.498 min Scan# 2279
 Delta R.T. -0.012 min
 Lab File: BF141952.D
 Acq: 13 Mar 2025 20:39



Tgt Ion:264 Resp: 335350
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.1 28.7
 265 21.8 17.5 26.3

