

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120425\
 Data File : BF144429.D
 Acq On : 04 Dec 2025 14:39
 Operator : RC/JU
 Sample : Q3768-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20071

Quant Time: Dec 04 14:58:29 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	6.857	152	33856	20.000	ng	-0.02
21) Naphthalene-d8	8.145	136	98147	20.000	ng	#-0.01
39) Acenaphthene-d10	9.957	164	11107	20.000	ng	# 0.04
64) Phenanthrene-d10	11.486	188	7215	20.000	ng	# 0.08
76) Chrysene-d12	14.074	240	33768	20.000	ng	0.02
86) Perylene-d12	15.533	264	38112	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	15818	7.311	ng	0.00
7) Phenol-d6	6.498	99	36273	14.797	ng	0.00
23) Nitrobenzene-d5	7.422	82	41938	24.679	ng	-0.01
42) 2,4,6-Tribromophenol	10.804	330	17454	125.226	ng	0.10
45) 2-Fluorobiphenyl	9.239	172	84863	112.845	ng	0.01
79) Terphenyl-d14	13.092	244	76023	35.760	ng	0.10

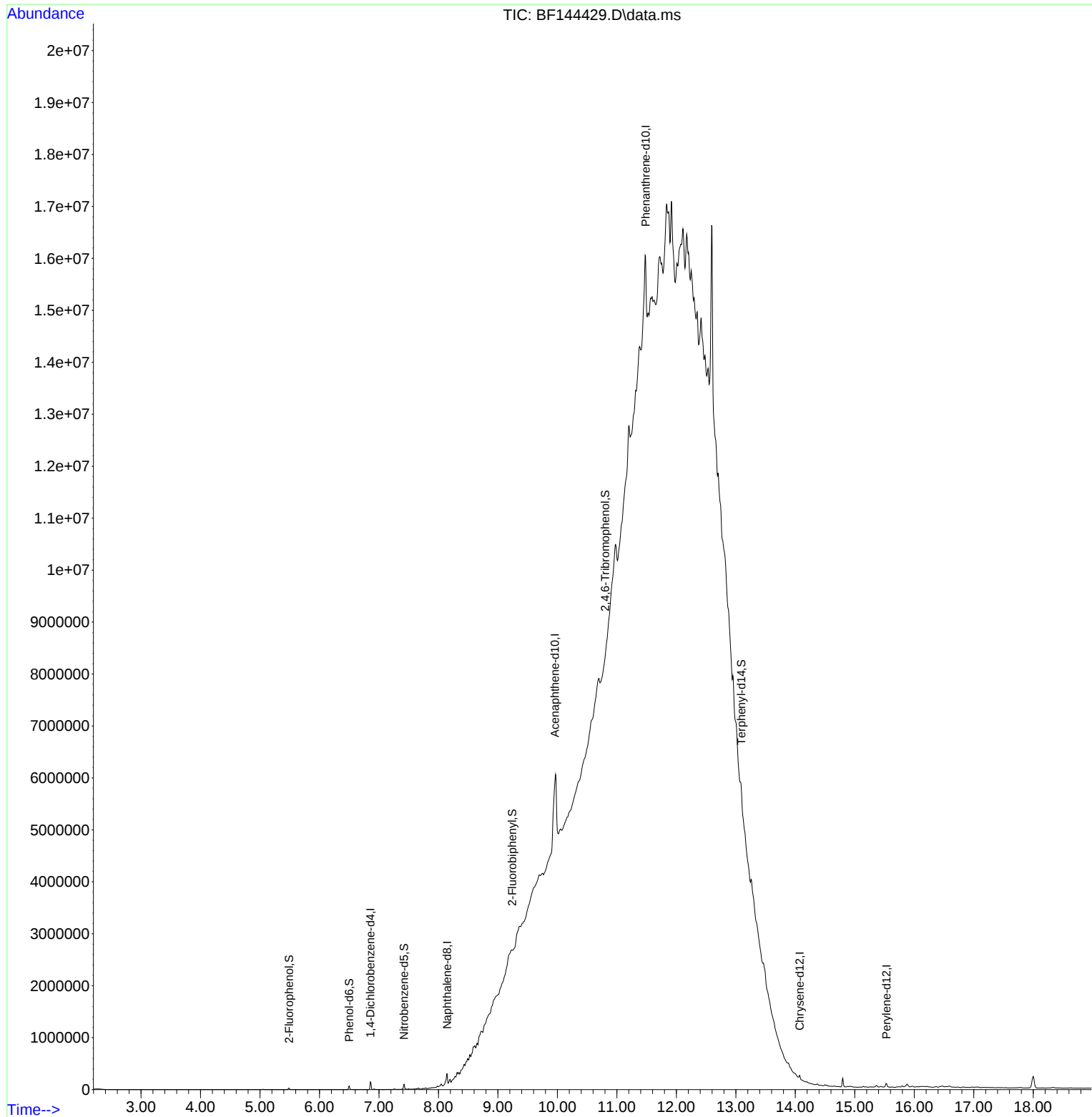
Target Compounds	Qvalue

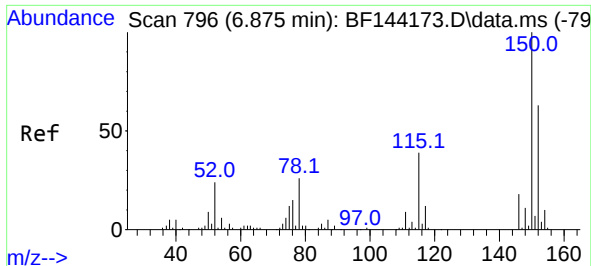
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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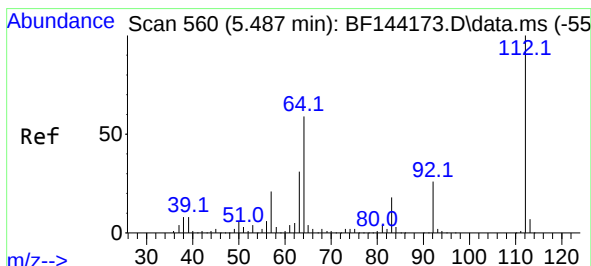
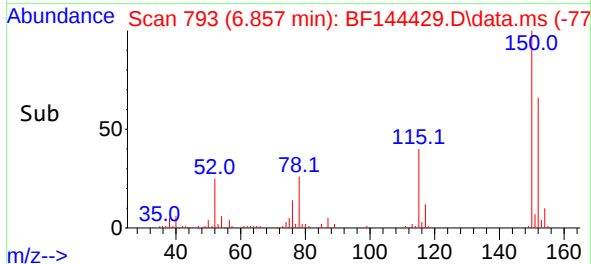
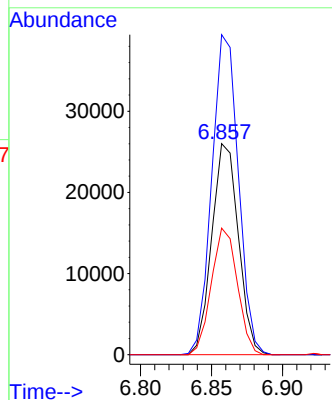
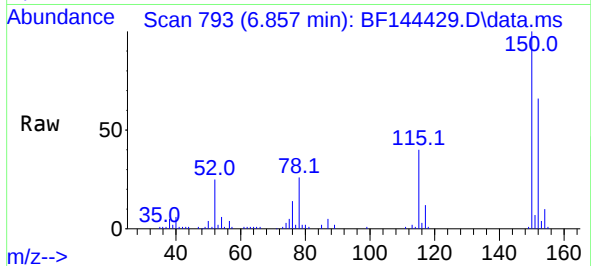




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 79
Delta R.T. -0.018 min
Lab File: BF144429.D
Acq: 04 Dec 2025 14:39

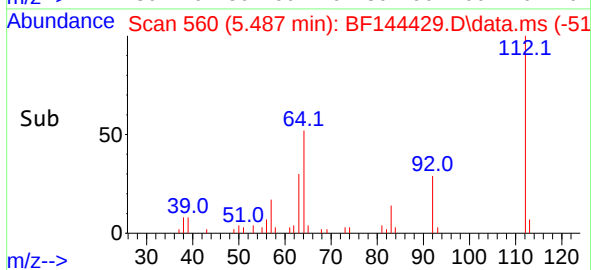
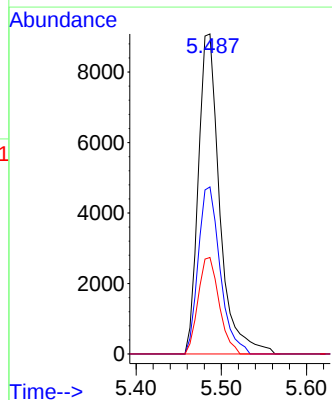
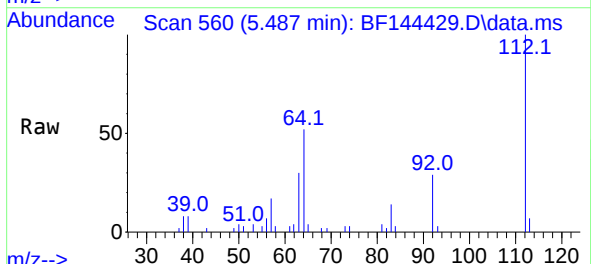
Instrument :
BNA_F
ClientSampleId :
20071

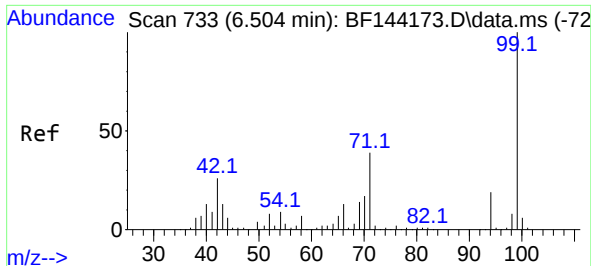
Tgt Ion:152 Resp: 33856
Ion Ratio Lower Upper
152 100
150 151.6 127.4 191.0
115 60.0 49.5 74.3



#5
2-Fluorophenol
Concen: 7.311 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF144429.D
Acq: 04 Dec 2025 14:39

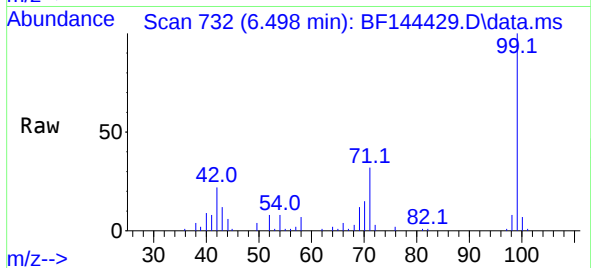
Tgt Ion:112 Resp: 15818
Ion Ratio Lower Upper
112 100
64 52.2 47.2 70.8
63 30.2 24.4 36.6



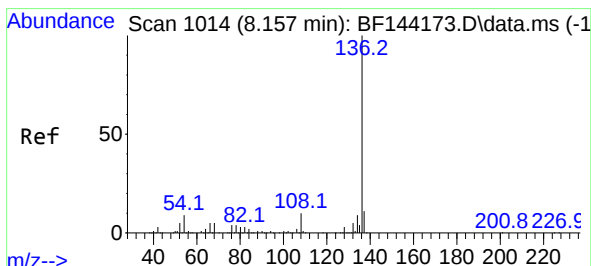
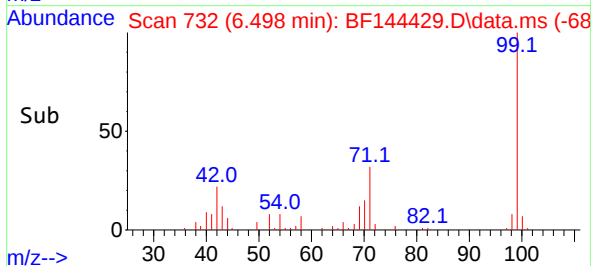
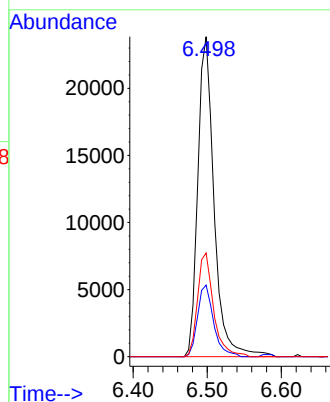


#7
Phenol-d6
Concen: 14.797 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF144429.D
Acq: 04 Dec 2025 14:39

Instrument :
BNA_F
ClientSampleId :
20071

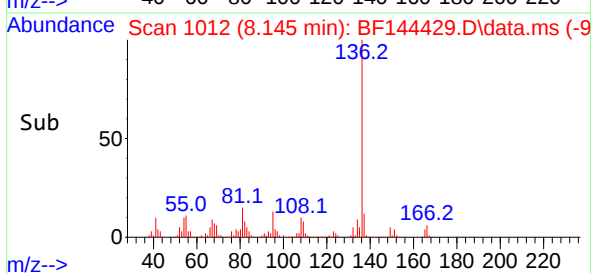
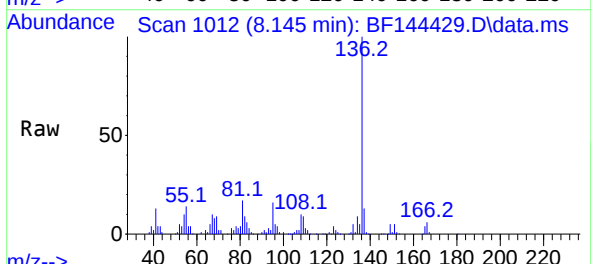
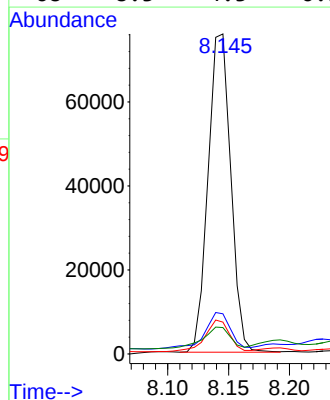


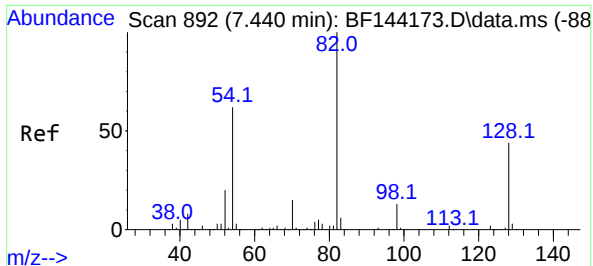
Tgt Ion: 99 Resp: 36273
Ion Ratio Lower Upper
99 100
42 22.3 20.9 31.3
71 32.4 31.4 47.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF144429.D
Acq: 04 Dec 2025 14:39

Tgt Ion: 136 Resp: 98147
Ion Ratio Lower Upper
136 100
137 12.6 8.6 13.0
54 9.9 7.0 10.6
68 8.3 4.3 6.5

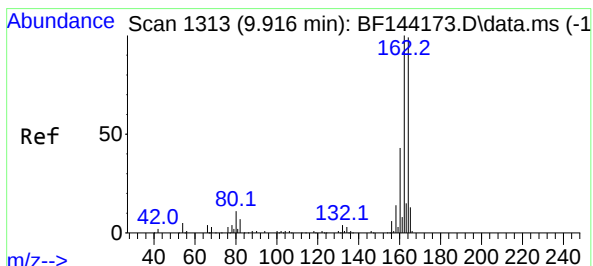
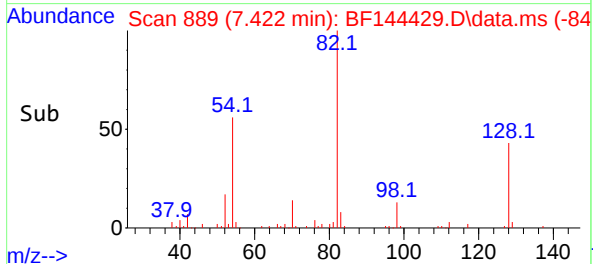
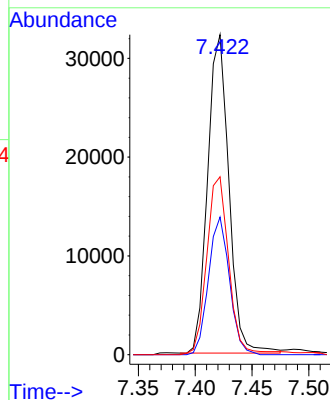
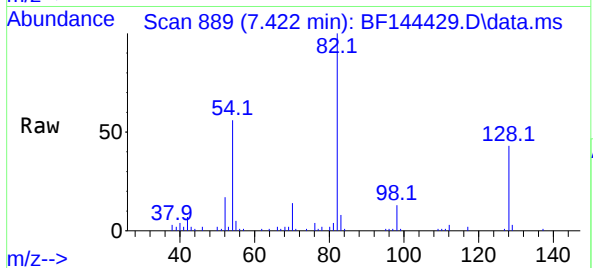




#23
Nitrobenzene-d5
Concen: 24.679 ng
RT: 7.422 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF144429.D
Acq: 04 Dec 2025 14:39

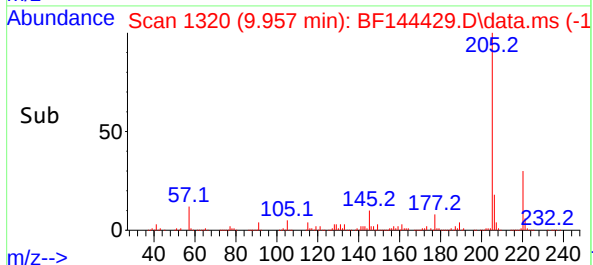
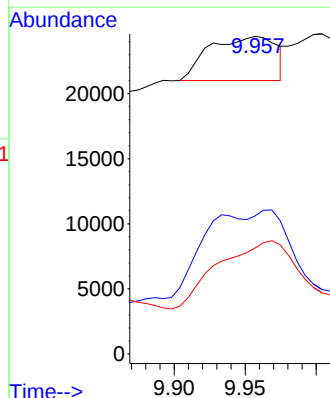
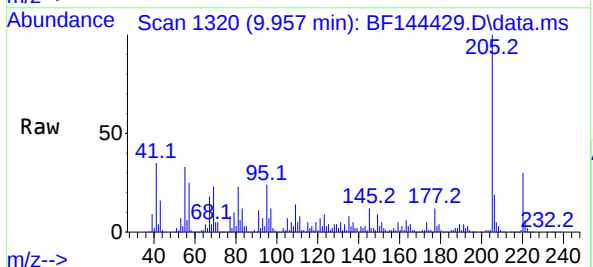
Instrument :
BNA_F
ClientSampleId :
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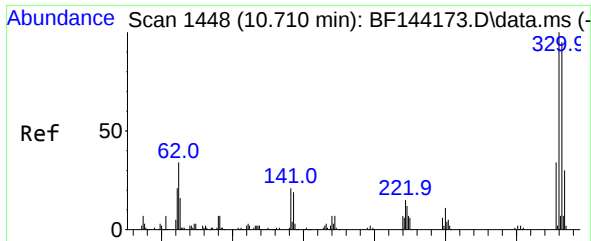
Tgt Ion: 82 Resp: 41938
Ion Ratio Lower Upper
82 100
128 43.0 34.7 52.1
54 55.6 49.5 74.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.957 min Scan# 1320
Delta R.T. 0.041 min
Lab File: BF144429.D
Acq: 04 Dec 2025 14:39

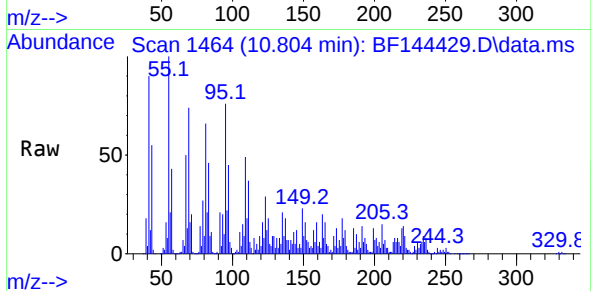
Tgt Ion:164 Resp: 11107
Ion Ratio Lower Upper
164 100
162 43.5 81.1 121.7#
160 33.4 34.5 51.7#



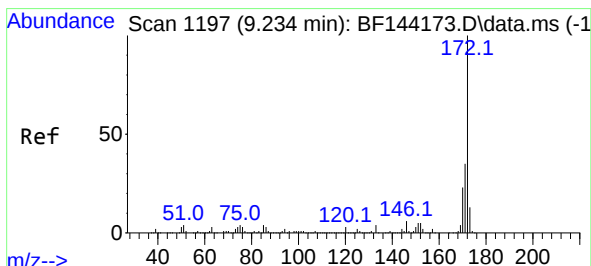
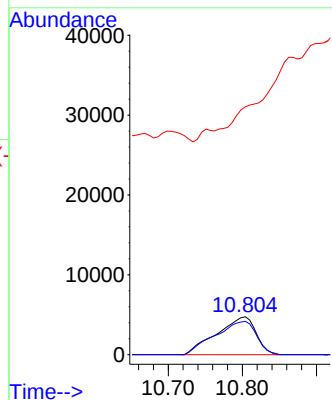
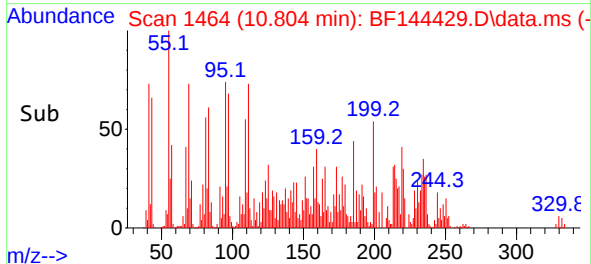


#42
2,4,6-Tribromophenol
Concen: 125.226 ng
RT: 10.804 min Scan# 1448
Delta R.T. 0.100 min
Lab File: BF144429.D
Acq: 04 Dec 2025 14:39

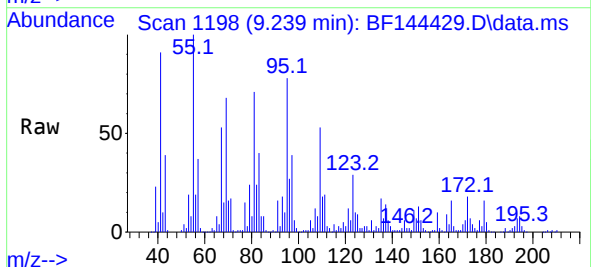
Instrument :
BNA_F
ClientSampleId :
20071



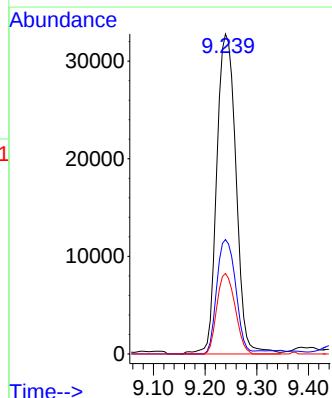
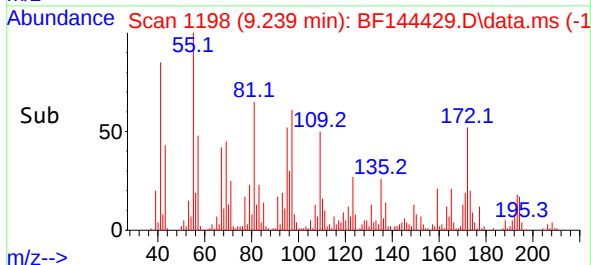
Tgt Ion:330 Resp: 17454
Ion Ratio Lower Upper
330 100
332 92.9 76.7 115.1
141 0.0 17.8 26.8#

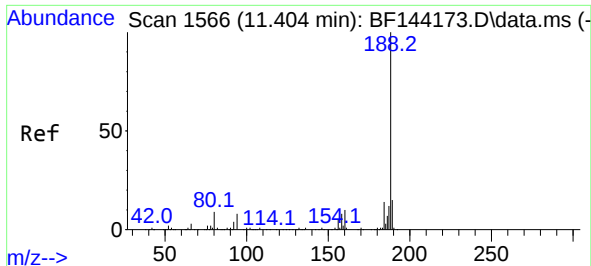


#45
2-Fluorobiphenyl
Concen: 112.845 ng
RT: 9.239 min Scan# 1198
Delta R.T. 0.012 min
Lab File: BF144429.D
Acq: 04 Dec 2025 14:39



Tgt Ion:172 Resp: 84863
Ion Ratio Lower Upper
172 100
171 35.7 28.1 42.1
170 25.2 18.6 28.0

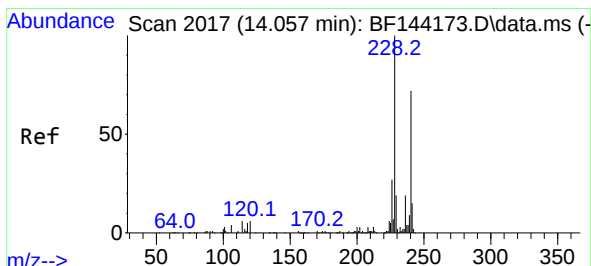
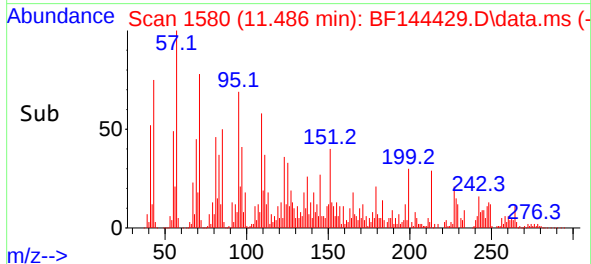
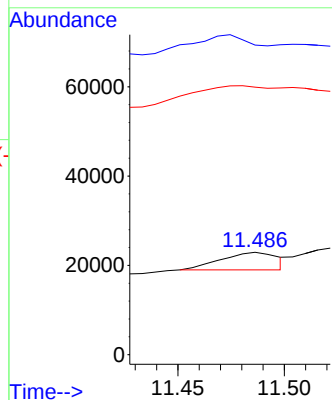
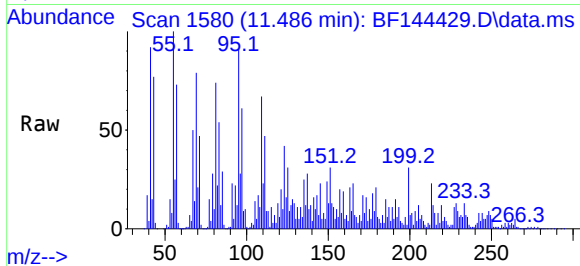




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 11
Delta R.T. 0.082 min
Lab File: BF144429.D
Acq: 04 Dec 2025 14:39

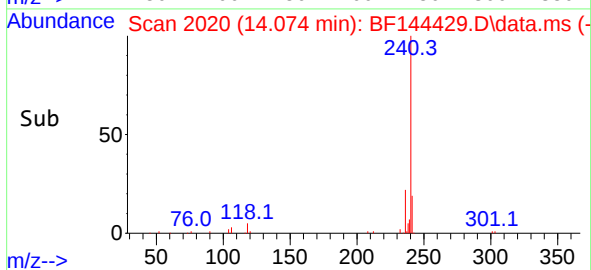
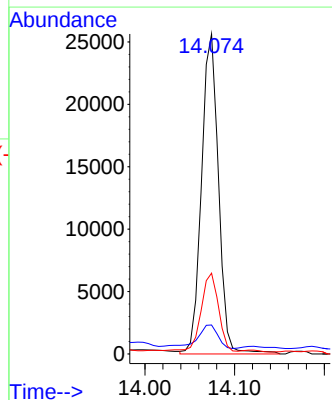
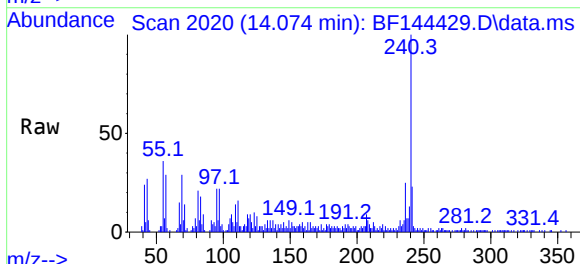
Instrument :
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ClientSampleId :
20071

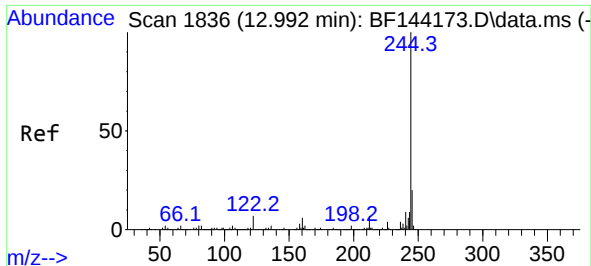
Tgt Ion:188 Resp: 7215
Ion Ratio Lower Upper
188 100
94 302.3 6.2 9.2#
80 261.2 6.9 10.3#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2020
Delta R.T. 0.023 min
Lab File: BF144429.D
Acq: 04 Dec 2025 14:39

Tgt Ion:240 Resp: 33768
Ion Ratio Lower Upper
240 100
120 9.0 6.6 10.0
236 25.3 21.4 32.2



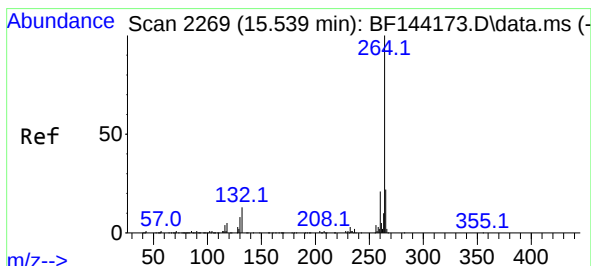
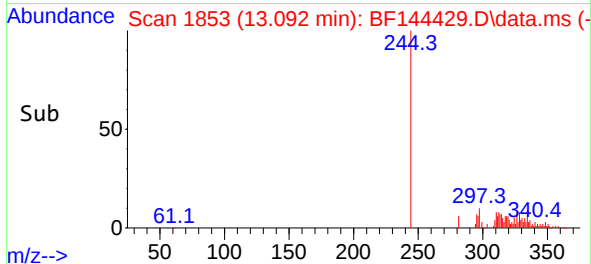
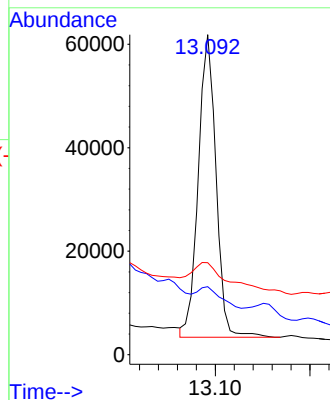
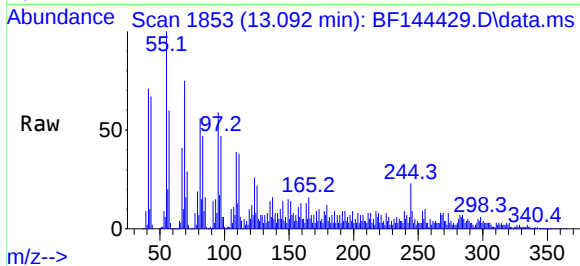


#79
 Terphenyl-d14
 Concen: 35.760 ng
 RT: 13.092 min Scan# 1836
 Delta R.T. 0.100 min
 Lab File: BF144429.D
 Acq: 04 Dec 2025 14:39

Instrument :
 BNA_F
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Tgt Ion:244 Resp: 76023

Ion	Ratio	Lower	Upper
244	100		
212	21.2	5.3	7.9#
122	28.8	5.6	8.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.533 min Scan# 2268
 Delta R.T. -0.006 min
 Lab File: BF144429.D
 Acq: 04 Dec 2025 14:39

Tgt Ion:264 Resp: 38112

Ion	Ratio	Lower	Upper
264	100		
260	22.8	17.1	25.7
265	22.4	17.4	26.0

